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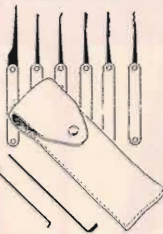
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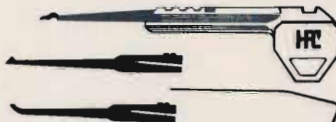
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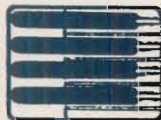
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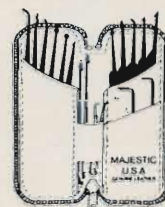


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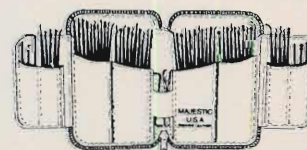
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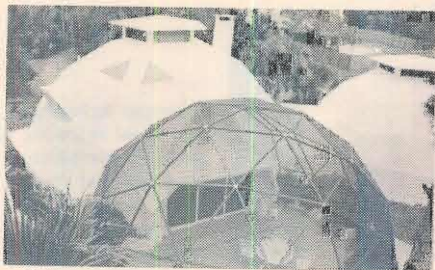
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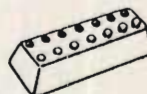
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AMERICAN SURVIVAL

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GUIDE

APRIL 1992 VOLUME 14 NUMBER 4

COVER:
Scattergun Technologies' new Model 90120-NW 12 gauge shotgun which is being issued to the U.S. Border Patrol. See page 24 (photo by Scott Stoddard).

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THE LOVELESS LEGEND

How to Make Custom Knives

with R.W. Loveless and Jim Merritt

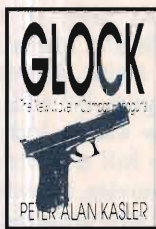
Finally, the inside secrets and tips of the knifemaking trade, as they've evolved in the shop of R.W. Loveless, are revealed for the first time in this groundbreaking film documentary. Loveless, considered the father of custom knifemaking in America, has served as a consultant to many major manufacturers in the U.S. and Japan. His design for the Dropped Hunter has been copied by virtually every knifemaker of note in the world. Here, he walks you, the viewer, through the process of creating a benchmade knife using the stock-removal method. Each step, including preparing the steel, scribing a pattern, rough grinding, hollow grinding the blade, heat treating, polishing and soldering the guard, is demonstrated clearly and examined in complete detail. Here is your opportunity to learn the rare art form of custom knifemaking from the true master. Color, approx. 95 min., VHS only. **\$59.95**



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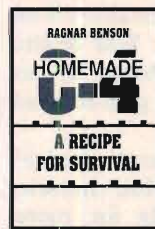
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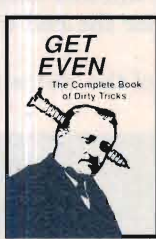
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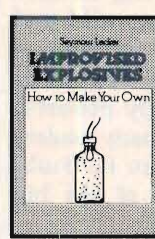
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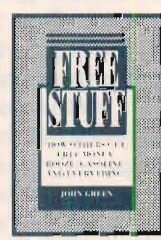
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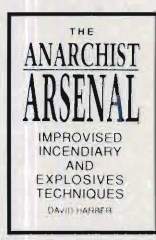
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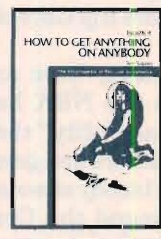
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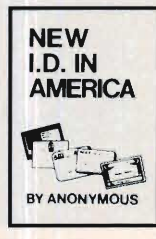
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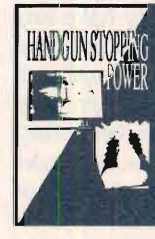
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NINETEEN ninety-two was only a few days old before the *Los Angeles Times* began promoting its strongly anti-gun editorial stance for the new year.

On Jan. 5, this left-leaning and highly influential paper devoted most of the first four pages of a six-page Sunday Opinion section to a barrage of anti-gun propaganda. Filling up most of the front page was the commentary, "Have Gun, Will Shoot," by journalist Richard Reeves. This was followed by a full two-page photo essay, "The Year of the Gun, Southern California's Shooting War," and a lead editorial on the following page, "The Year of the Gun, The region is battered by an alarming increase in gun-related deaths."

It was all such revoltingly typical and familiar gun prohibition rhetoric, filled with socialist calls for more government action — the Big Government fix, hysteria, clichés, wild and unsubstantiated claims, outrageous distortions of the facts — the usual nonsense, but compellingly powerful propaganda for the many, many readers of this publication who are no doubt uninitiated in the ways of the big media in our society.

All this is nothing new for the *Los Angeles Times*, but how many of the people seeing it gave any thought to what is behind it, I wondered. Probably not many.

Despite all of history's classic lessons about the use and misuse of mass media as a powerful propaganda tool, most people in this country probably would refuse to believe our big media organizations could possibly have any ulterior motives, any hidden political agenda behind the immense and well orchestrated campaign they are waging against private firearms ownership.

Speaking of classic lessons, let's take a look at how the people at the *Los Angeles Times* chose to promote their passion for gun control in this particular section of their paper.

First, on the front page of the Opinion section, was Richard Reeves' "Have Gun, Will Shoot" commentary. You know Richard Reeves don't you? He's the famous author and columnist and former *New York Times* reporter (Have you ever seen anyone from the *New York Times* who was pro-gun?).

He starts his commentary off by noting that his father was a judge in Jersey City, New Jersey, just across the Hudson River from New York City. His father "favored gun control before those two words became a staple of

the national political dialogue." The murderers standing before his father, he said, "usually killed people they knew, grabbing whatever weapon — a baseball bat, a kitchen knife, a gun — was available in the heat of a fight." It's difficult to kill a human being with a club or a knife, Reeves asserts. Not so with a gun, he adds.

After referring to how easily Indiana Jones uses a gun to kill a sword-wielding villain in the movies, Reeves next quotes a prosecutor who declares, "Now people kill anyone, whether they know them or not, just for the hell of it sometimes."

Reeves cites the case of the woman

gun small enough to be hidden in a coat pocket, their answer is invariably: "The NRA."

Have you got all that, children? In the good old days people killed people they knew with whatever weapon was at hand. Now people kill anyone just for the hell of it with high powered machine guns and other deadly weapons designed for mass destruction which anyone can tote about because the NRA wants that.

Uh, pardon me Richard, but if people are killing strangers more often today, how does that square with all that anti-gun stuff about people owning guns being more likely to kill people they know than criminals? And, uh, by the way, automatic weapons have long been banned in this country except where carefully regulated — and taxed — possession is permitted. The TEC-9 is not a submachine gun. It's a semiautomatic pistol. But it must look like a submachine gun to you and, therefore, it instantly is one. And Richard, almost all states and other jurisdictions strongly restrict the carrying of firearms, especially concealed firearms. But ah well, why let the facts get in your way when you're giving us this great lesson on the need for more gun control, more Big Government action?

Reeves goes on to assert, "...we are a violent people," that the NRA has a "Rambo-survivalist mentality," that police as well as drug dealers and gang members are "falling in bloody streets," that our failure to "amend the Constitution...to make bearing arms a regulated privilege rather than a God-given right..." is a form of "national insanity. Or national suicide."

Lastly, as you might expect, there's a call for the Big Government fix to save us. Reeves scolds us for not caring enough about all this supposed carnage to commit ourselves and our money: "to the work — and the taxes — it would take to round up the guns and the shooters."

The following photo essay is the usual drivel equating crime — through sensational photos — to the need for "more restrictive gun laws..."

(Continued on page 35)

TO THE POINT

Media awareness: recognizing ubiquitous anti-firearms-ownership propaganda...



shot to death while riding in her car in Washington, D.C., by a murder suspect just out of jail on \$1,000 bail who "felt like killing someone."

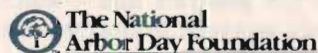
Then Reeve says, "...lawmakers have been unwilling to vote for what most people might consider common sense, beginning with laws banning automatic and semiautomatic rifles, and pistols designed for the express purpose of killing human beings. When I ask lawmakers and gun-control advocates why it is possible for any private citizen to carry around a TEC-9, a popular made-in-the-U.S.A. submachine



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Electromagnetic radiation fields pose childhood leukemia risk, study suggests, Strategic Air Command folded, CPR facts...

IN what is perhaps the most comprehensive study to date of the health risks posed by exposure to electromagnetic fields, researchers seem to have found a link between such exposure and an increased incidence of childhood leukemia.

The five-year, \$1.7 million study was sponsored by the electric utility industry. The study's main conclusions linked an increased risk for childhood leukemia to children's proximity to power lines and their use of hair dryers and black and white televisions. The study also suggests, but does not confirm, that curling irons, bedside clocks, and video games are also potential sources of risk.

A co-author of the report, Dr. John Peters of the University of Southern California, noted "The current study adds some support to the hypothesis that electromagnetic fields increase childhood leukemia risk, but it doesn't resolve the controversy."

The chief author of the study, Dr. Stephanie London, said that since there are still many uncertainties about the dangers of exposure to electromagnetic fields, more research on the subject was needed. Until more data is available, she said, "It would be important for parents not to panic about these results."

A number of scientists who have studied the linkage of electromagnetic fields to leukemia and other diseases have suggested minimizing individual exposure to the fields where possible. For example, avoiding the use of electric blankets, moving electric clocks away from beds, and sitting at least an arm's length away from computer terminals.

In a related story, Connecticut State Police officials announced that their officers will no longer use hand-held radar guns to catch speeders. The officials cited growing concern about the possible links between the radar guns and cancer. Officers will still be able to use radar units that have the transmitters mounted on the outside of their cruisers.

SAC Sacked — The U.S. Air Force has announced that as of June 1, 1992, the Strategic Air Command, SAC, will cease to exist. SAC has been the nerve center of the U.S. nuclear strike force since it was created in 1946.

A SAC spokesman, Major Donald Planalp said that the Air Force had decided to shut down SAC as a result of the end of the cold war. "The cold war is over, and we won... SAC worked itself out of a job by deterring nuclear aggression for 45 years," said Planalp.

SAC will be replaced by a smaller, combined unit, consisting of Air Force, Navy and Army personnel. The 19 flag officers (18 generals and 1 admiral) currently assigned to SAC will be reduced to 8 in the new unit. The 22 bases and 750 aircraft currently assigned to SAC will be transferred to different units or phased out.

CPR — A new study in *The New England Journal of Medicine* said that for people who have suffered cardiac arrest and who have not been revived in the field by rescue workers, transport to a hospital emergency room and subsequent efforts at resuscitation are virtually useless. Even if they are revived in the emergency room, the odds that they will live to leave the hospital are close to zero.

Dr. W. Douglas Weaver of the University of Washington said in an accompanying editorial that the study showed that "when resuscitation outside the hospital is unsuccessful, further in-hospital procedures are useless and should be abandoned" except in cases that involve cardiac arrest due to drowning, hypothermia, or when the heart has intermittently stopped.

A new law in New York City requires that restaurants, bars, theaters, and health clubs, keep on hand CPR ventilation masks and rubber gloves for use in emergencies. The law was prompted by growing fears that persons trained in CPR are not rendering aid in emergency situations because of fears of contracting the AIDS virus. ●



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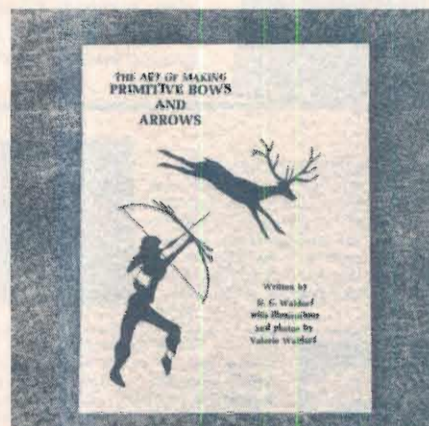
BOOKS/VIDEOS



Wilderness Survival #2, Food Procurement. A video by Chris and Gretchen Janowsky, World Survival Institute, Dept. ASG, Box 394, Tok, Alaska 99780; (907) 883-4243. VHS, 60 minutes. \$49.95 plus \$3 s&h.

This tape is the second in a four-part series on wilderness survival from the World Survival Institute. The video covers numerous techniques for trapping, snaring and ambushing game in a survival situation. Some of the techniques can be used when a person has no survival kit or materials other than what is found in a wilderness environment. Others use cord, wire and fishing line — items that should be found in your personal survival kit. Fishing tackle is shown being made from ordinary "junk" like old aluminum cans. Materials found in nature like bone chips, porcupine quills, moose hair and feathers are also used. You'll learn to forage edible plants and identify certain parts of trees and plants that can be eaten. Besides methods for procuring food, the video shows how to preserve it and protect it from flies and bacteria. Learning how to dry fish meat and make jerky from deer or other large game is important because it greatly reduces the weight of the food and makes it less inviting to insects. Filmed in actual wilderness conditions in beautiful Alaska. An excellent video for your survival library.

The Art of Making Primitive Bows and Arrows, by D.C. Waldorf. High Country Enterprises, P.O. Box 1663, Dept. ASG, Montrose, CO 81401; (719)



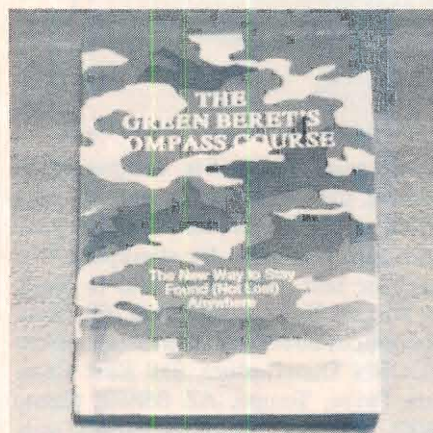
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Spycomm: Covert Communication Techniques of the Underground, by Lawrence W. Myers. Paladin Press, P.O. Box 1307, Dept. ASG, Boulder, CO 80306. Softcover, 256 pages. \$19.95 plus \$4 shipping and handling.

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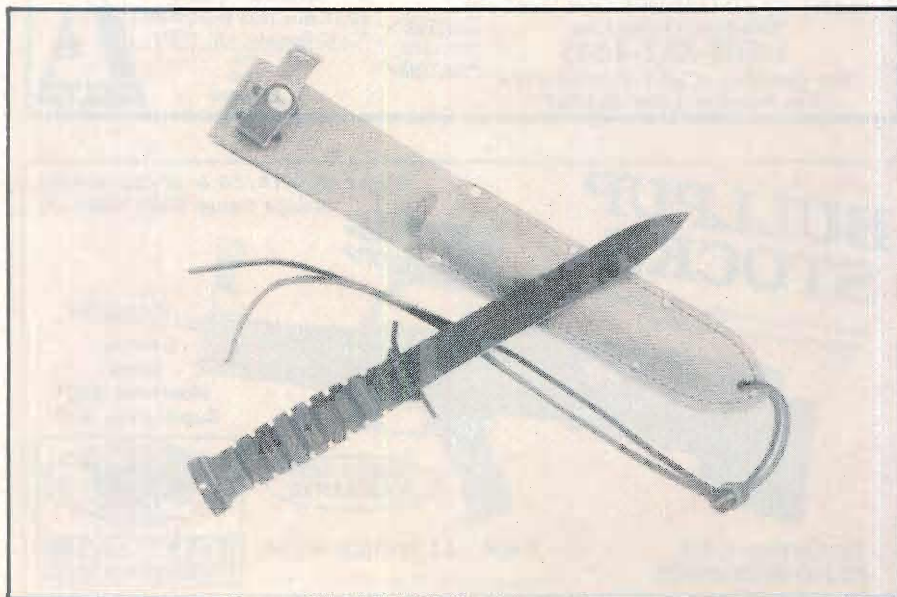
The Max is a combination hand tool designed to be carried as standard equipment on four wheel drive and off road vehicles and pickups. It incorporates seven basic hand tools into one compact and versatile unit based on a 3½-pound Hudson Bay style ax with a 36-inch grade A Hickory handle. The complete tool menu includes an ax, a sledge, a shovel, a pick, a mattock, a broad pick, and a McLeod (heavy duty rake and hoe). Made from carbon steel

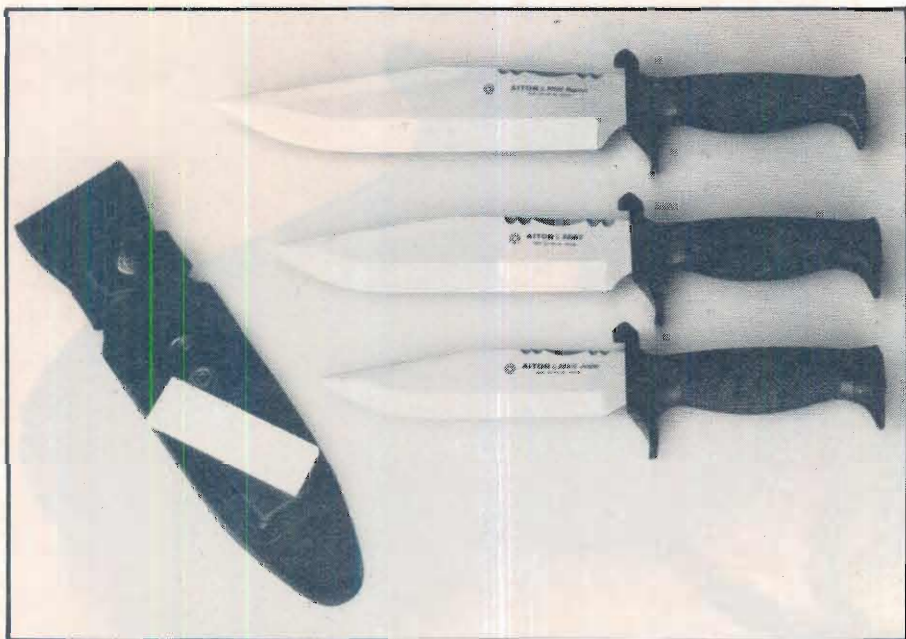
and tempered to U.S. Forest Service specifications, the ax and its attachments are precision built for strength and reliability. All metal parts are covered by a lifetime limited warranty against defects in manufacturing or materials. Attachments lock into a socket on the back of the ax head. The 7-degree beveled socket and tapered attachments tighten during use. They are further secured with a hitch pin for safety. All attachments come in a sturdy canvas and hook and loop carrying

case which fits compactly in several places inside or outside of a truck or 4WD vehicle. The carrying case also has loops for strapping to a pack or belt. The Max Tool is made by Forrest Tool Co., P.O. Box 768, Mendocino, CA 95460 and is available from ACORN Distributors, 916 East Campus Drive, Tempe, AZ 85282; phone (602) 968-6480. Manufacturer's suggested retail price is \$129.95.

M3 Trench Knife

The Camillus M3 Trench Knife is another fine reintroduction of a famous World War II edged weapon. The parkerized matt finish blade is 6⁹/₁₆ inches. The pressed and oiled leather washer handle is 4½ inches with a parkerized pressed steel pommel. Overall length is 11½ inches. Weight, with sheath, is only 10.3 ounces. The handle is formed by layering heavy cowhide leather in the shape of a flattened oval tapered at both ends. The sturdy sheath is made of soft brown leather with a top snap strap and is riveted and stitched. Also included is a leather leg tie down. This fine knife is \$42.95 plus \$3 shipping and handling from Major Surplus and Survival, Dept. ASG, P.O. Box 3796, Gardena, CA 90247; phone (213) 324-8855 or 8859; fax (213) 324-6909.





Aitor Bowies

Spain's premier knifemaker, Aitor, has re-designed their 451, 452 and 453 Series of bowie-style knives. There are now five models of these big blade

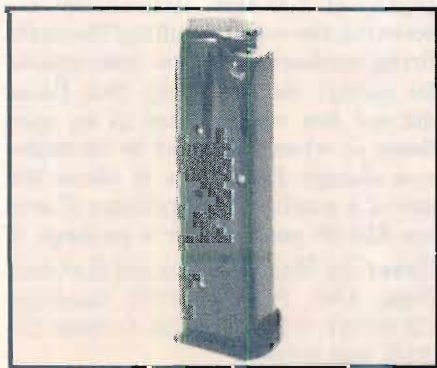
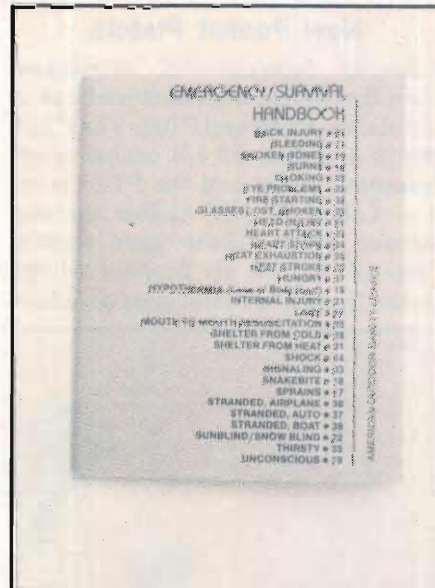
knives to choose from. All feature satin finish 440-B stainless steel modified with extra molybdenum and vanadium to increase edge-holding ability and overall toughness. Each blade is dia-

mond point tested for desired Rockwell hardness of 56 degrees. The three models shown here are called "NATO" bowies by Aitor, although this does not refer to the North Atlantic Treaty Organization. These knives are nevertheless intended for use by military personnel and for other outdoors pursuits. The bowie-style blade is supported by a comfortable one-piece dark green polyamide (hard plastic) handle with black guard and butt cap (to eliminate glare). A stitched black leather sheath with sharpening stone is supplied with each knife. Shown here are, from top, the 8 1/2-inch blade, 13 1/4-inches overall Magnum NATO Bowie (453.272, about \$105); the 7 1/4-inch blade, 12-inches overall NATO Bowie (452.272, about \$95); and the 6-inch blade, 10 3/4-inches overall Junior NATO Bowie (451.272, about \$75). For more information about the Aitor bowies contact Catootin Cutlery, Dept. ASG, P.O. Box 188, Smithsburg, MD 21783; phone (301) 824-7416; fax (301) 824-6138.

Emergency/Survival Handbook

The Emergency/Survival Handbook is a 451-page booklet with bright orange covers measuring only 4 by 5 inches which can be carried anywhere in a pocket. Produced by the American Outdoor Safety League, it contains readily available information on emergency first aid for common injuries—back, bleeding, broken bones, burns, choking, eye problems, broken glasses, head injury, heart attack, heat exhaustion, heat stroke and hunger, hypothermia, internal injuries, snake bite, sprains, snow and sun blindness, thirst

and unconsciousness. There is also information on mouth-to-mouth resuscitation, finding/making shelter from cold and heat, dealing with shock, signaling, what to do if stranded in a plane, auto or boat. Besides the bright covers which can be used as signaling devices, the booklet contains sheets of mylar mirror material for emergency signals. A very useful and information-packed reference source. Available for \$3.50 plus \$1.50 S&H each from High Country Enterprises, Dept. ASG, P.O. Box 1663, Montrose, CO 81401; (800) 932-6888.

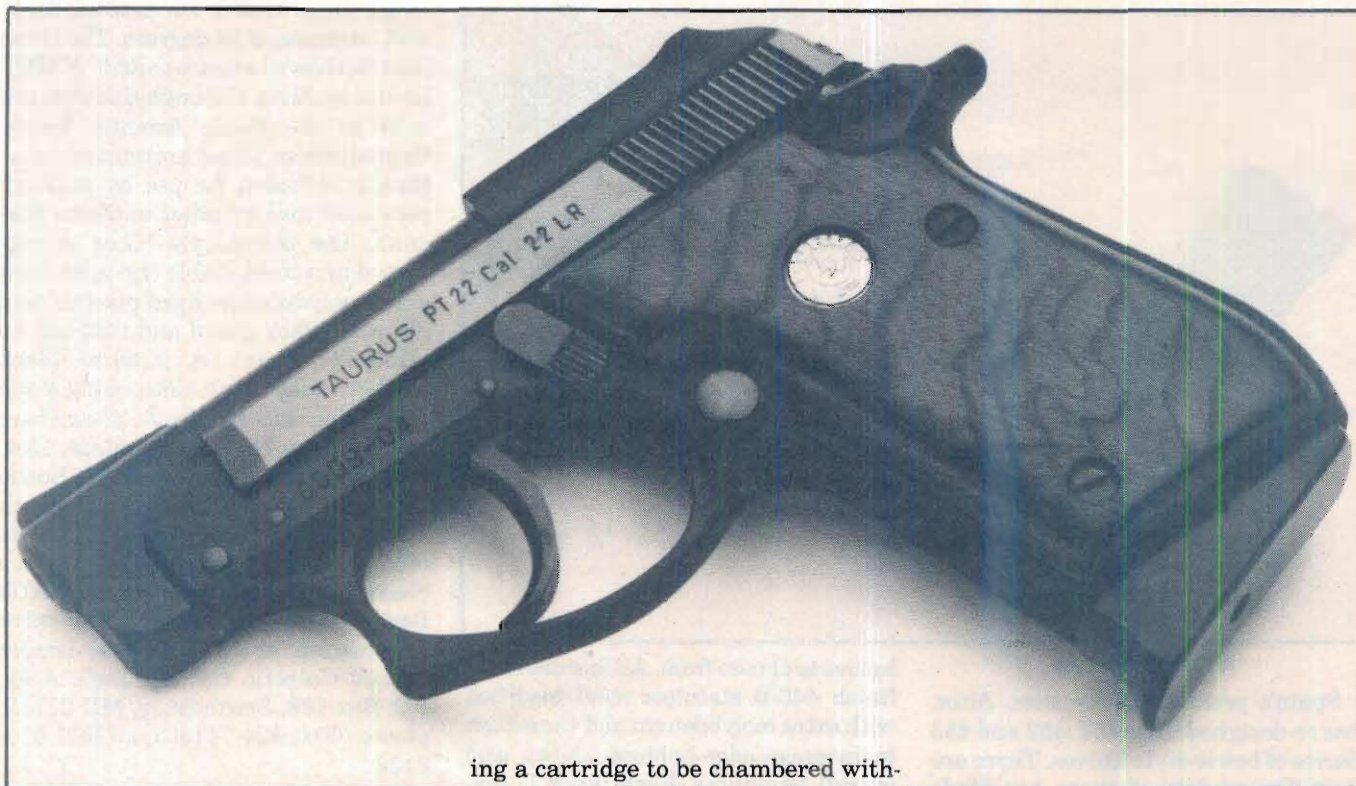


CZ-75, TZ-75, P9, AT90 Magazines

Now available from Ram-Line is a 17-round, flush-fitting magazine for extra capacity in your 9 mm CZ-75, TZ-75, Springfield P9 and AT90 pistols. The constant force spring gives you smooth, reliable feeding. You can even leave the magazine loaded indefinitely without spring fatigue. Available in

both blued heat treated steel and stainless steel, Ram-Line TZ-75 magazines are laser welded for a seamless finish. Like all Ram-Line products, these new single stack mags are covered by the No Hassle Guarantee of satisfaction. To order call 1-800-648-9624 or write for a catalog with more than 130 accessories for fine guns. Ram-Line, Inc., Dept. ASG, 10601 W. 48th Ave., Wheat Ridge, CO 80033.

NEW PRODUCTS



New Pocket Pistols

Taurus International announces their first U.S.A.-manufactured line of pistols: the PT-22 and PT-25. The PT-22 is a 9 + 1-shot .22 LR caliber semi-automatic pistol and the PT-25 is an 8 + 1-shot .25 ACP caliber semiautomatic pistol. These guns feature "pop-up" barrels. By flipping a lever on the frame the barrel pops up, allow-

ing a cartridge to be chambered without racking the slide and also allows for easy unloading and checking for a loaded chamber. Both pistols have manual and magazine disconnect safeties. For additional security they are double-action-only, with a concealed hammer shrouded by the slide. Every new Taurus PT-22 and PT-25 is fitted with handsome hardwood grips and comes packed in a rugged polymer shooter's case. And like all other fine

Taurus guns, these models are backed by the Exclusive Taurus Lifetime Repair Policy. Look for them at your gun dealer's or contact Taurus International Firearms, Dept. ASG, 16175 N.W. 49th Ave., Miami, FL 33014-6314; phone (800) 327-3776/(305) 624-1115; fax (305) 623-7506.

Skyblazer Pocket Aerial Flares

These hand-held launcher-flares deliver a brilliant red, 20,000 candle power light up to 700 feet high for a six-second burn visible at more than 20 miles. Sold in packages of three flares, each flare floats and is impervious to salt or fresh water down to depths of 200 feet. Activate by unscrewing the cap and pulling the chain firing mechanism (follow instructions for safety). Safe to carry. Test flares did not fire when placed in an open flame or when shattered by an explosive charge. Each flare is about the size of a small cigar. Skyblazer Flares are \$16.95 postpaid for a package of three from Major Surplus and Survival, Dept. ASG, P.O. Box 3796, Gardena, CA 90247; (213) 324-8855 or 8859; fax (213) 324-6909.





Wilderness Home

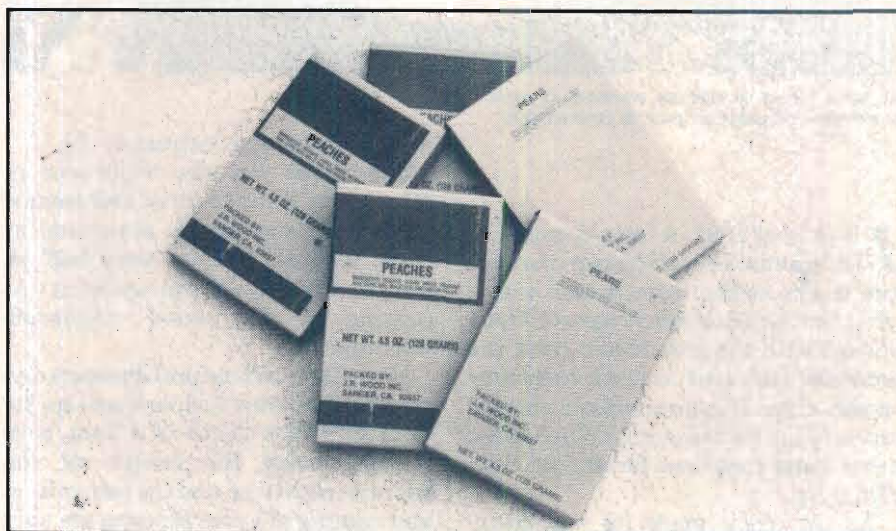
Want the best of both worlds? This wilderness home combines the great

outdoors with the "creature comforts" of civilization. A remote lodge near Capitan Peak in Lincoln National

Forest, it's far from the hustle and bustle of the city. But once you're inside the home, you'll forget you're in the wilderness, due to the many "creature comforts." This 11-year-old home is just right for a family or group where some enjoy modern conveniences and others want the rigors of a frontier, self-sufficient lifestyle. A former staff residence for a climbing school, this three-story 3,600-square-foot home has six bedrooms and three bathrooms. Property includes 81 acres, bordered on three sides by national forest. There is pure spring water in the home and wild game is in abundance. Solar, wood, electric and propane are in service. Home comes fully furnished as a "turn-key" operation. Property is located 20 miles north of Tinnie, New Mexico. Asking \$350,000. For more details call or write: Mr. Howard Allen, P.O. Box 328, New Knoxville, OH 45871; phone (419) 753-2523; fax (419) 753-2903.

New MRE Fruit Rations

The newest additions to the MRE family of foods are 1992 contract wet-pack MRE peaches and pears. These come ready to eat and packed in light syrup, just like out of cans in the grocery store, except they are sealed in MRE pouches and have a shelf life of 8 to 10 years. Sold in units of 12 pouches each for \$15.95 plus \$4.95 shipping and handling, the new MRE pears and peaches are available from NITRO-PAK Preparedness Center, Dept. ASG, 13309 Rosecrans Ave., Santa Fe Springs, CA 90670; (310) 802-0099.



Heavyweight Ammo

The heavyweight is a very heavy projectile for the caliber which gives maximum penetration even at low velocities. The boat tail design makes the projectile ballistically more efficient (less loss of velocity) producing less bullet drop than a standard flat base bullet. The Heavyweights shown here are 158-grain 9 mm jacketed hollow points which travel from the muzzle at about 1,000 feet per second and will

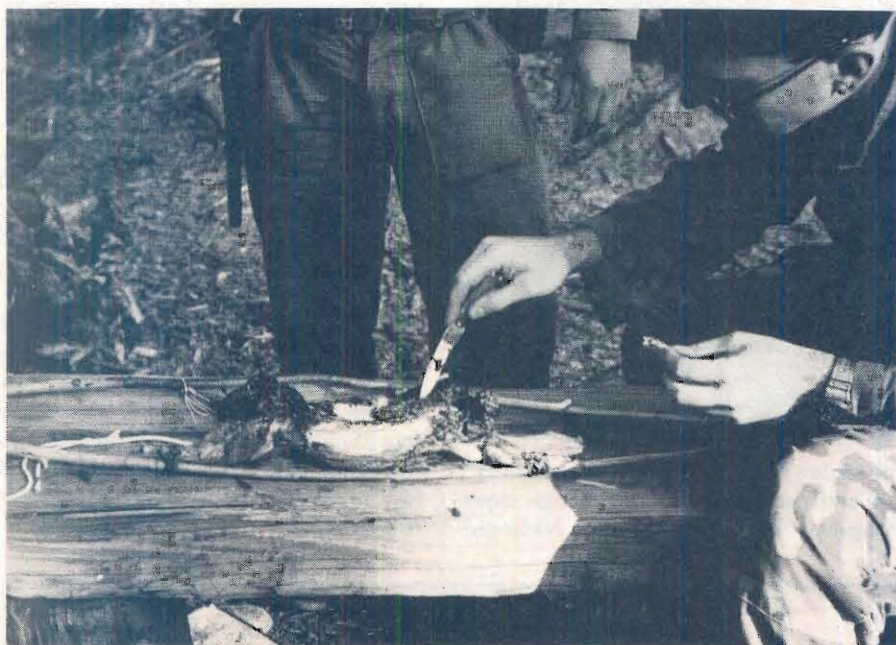
penetrate 12 to 14 inches of ballistic gelatin, expanding to .55 caliber while releasing 3 #2 goose shot pellets. This produces a 2- to 3-inch wound cavity in the body. These cartridges are \$14 per six pack from Lock & Load Distributors, Dept. ASG, 1790-10 E. Market St., Suite 224, Harrisonburg, VA 22801; (703) 289-6892. Lock & Load also has other Heavyweight ammunition available in .357 and .45 ACP calibers. Contact Lock & Load for more information. ●

Chemical, Biological Contamination:

Bio-Survival

By Bob Newman

Avoidance is by far the best way of dealing with toxic environmental threats...



All game should be carefully examined for signs of infection/contamination prior to consumption.

IN July of 1991, a train derailed in California. One of the cars that left the tracks as the train passed over a river contained chemical agents. Upon impact with the ground and river, the tank-car ruptured and its heinously deadly cargo of metam sodium entered the pristine Sacramento, a blue-ribbon trout water renowned for its first-class flyfishing.

As the agent made its way downstream, it left carnage in its wake. Thousands of fish and other life forms perished almost instantly as the murderous mixture continued unabated on its journey downstream. Eventually it entered Lake Shasta, a huge reservoir that provides water for millions of people.

In the small town of Lyme, Connecticut, an alarming number of people were experiencing strange, flu-like symptoms after seeing a blotchy rash appear on their bodies frequently on a limb. But this "flu" was persistent,

and folks became extremely ill.

The illness was also being seen in other parts of the country, and seemed to be more common in semi-rural or rural regions. Doctors were baffled, until finally they determined what was causing it and issued nationwide warnings.

Man-made and natural disasters and medical problems such as these are far from rare. The death of a long, once teaming with life stretch of the Sacramento River, and the recognition and naming of Lyme Disease, are only two small chapters in the history of chemical and biological misfortunes. Some in big business will stop at nothing to make another buck, and Mother Nature is full of tricks herself.

For the survivor, avoidance is far and away the best method for dealing with chemical and biological contamination.

I'm not talking about chemical-biological warfare per se, now. No Sarin nerve agent being rained down upon unsuspecting civilians that some half-baked, limp-wristed dictator has decided need punishing. I'm referring

to contamination via pesticide or herbicide laden runoff from agricultural areas, and intentional pollution by disreputable interests such as those in the pulp and paper industry. Man is killing his world, and the wise survivor will be ready when his water source goes bad because of it.

Do the names Love Canal and Times Beach ring a bell? So what to do about it?

I have taught and written on the subject of terrorism for some years now, and have attended some fascinating courses on the subject. One thing that was made clear in these courses is that the problem is usually avoidable.

Chemical and biological contamination is also avoidable, to a large extent. The key is to know — I mean really KNOW — your enemy. You must take steps to prevent accidents such as the aforementioned train derailment from affecting you before they even happen. This is known as strategic avoidance.



Small reef fish such as these young yellowtail snapper may feed on poisonous coral, making them toxic.



Obviously, you may want to avoid eating anything which lives in close proximity to a nuclear power plant.



Shellfish such as this blue mussel may contain "red tide" poisoning, caused by phytoplankton bloom.

Do you live near a rail line? A major port facility? A large city? Any facility that has the potential for destruction? Chances are you do.

What have you done to insure you can depart the area quickly and efficiently when disaster strikes? Have you plotted routes of escape? Do you always have at least half a tank of gas in your vehicle(s)? Is your travel survival kit up-to-date? Do you own a battery-powered radio?

It is the little things like these that make a survival plan work. Attention to detail and in-depth planning are important in such situations. You must understand the threat.

A couple of years ago, CNN broadcasted a report about equine encephalitis, a deadly disease among horses that in this case was being spread by a particular species of mosquito in Florida. It seems that the heavy rains earlier that year had made for per-



Amphibians the world over are disappearing in droves. Biologists say it may be global pollution.

fect breeding conditions for the mosquitos and the disease was rampant, killing horses by destroying their brains. Three humans had also contracted the disease, one of whom was already dead.

Biological contamination is part of nature's grand scheme, a part that regrettably claims tens of thousands of human lives annually, mostly in third world countries where health takes a back seat to the money-making activities of politicians. Sad, but undeniable.

Prevention of biological contamination is often quite simple, since bio-agents are living. Biotoxins (mushrooms such as the Death Angel and bacterial toxins, among others), bacteria (such as tularemia found in rabbits with plague), viruses (smallpox, etc.), Rickettsiae (typhus and Lyme Disease), and fungi of the pathogenic

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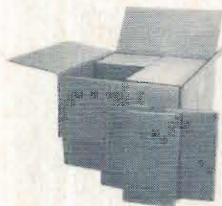


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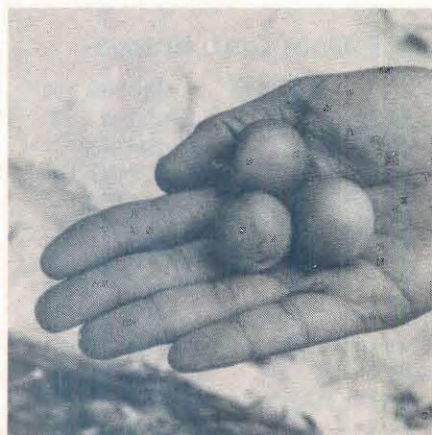
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Bio-Survival



Drinking water downstream from this hazardous waste site could be dangerous.



Machineel apples (*Hippomane machineel*) are found in south coastal Florida and the Caribbean, and contain a powerful toxin causing severe dermatitis.



Fern "fiddleheads" that grow within a few yards of a road should be avoided, as they may be contaminated by toxic runoff from automobile and truck discharges.



The conifer false morel (*Gyromitra esculenta*) contains a toxin similar to the chemical make-up of certain rocket fuels.

genre are some examples of bioagents that you may come into contact with if you're not careful.

They all enter the human body via the mouth, nose or skin, which means you can avoid them. Cooking your food, boiling water, exposure to sunlight and other simple acts can insure your not getting the dirty end of the stick.

Be alert for the vectors of bioagents, i.e., the creatures who unknowingly carry the agents such as mosquitos and vermin-infested rodents and other animals. In Kuwait, after the war, my unit experienced fly infestation on a scale I had never seen before. Marines were getting sick. Our Hospital Corpsman had the area sprayed with insecticide and the flies disappeared. Once that was done, the number of sick Marines dropped rapidly. The flies were carrying disease.

Personal cleanliness, sound sanitation procedures, a complete immunization record, proper nutrition, and sanitary first aid practices will greatly reduce your chances of biological contamination.

The truly prepared survivor will be alert for signs of chemical or biological contamination, and the situations that make them possible. ●

Making A Difference

YOU can make a difference when it comes to preventing ecological calamities such as Southern Pacific's damage of a 45-mile stretch of the Sacramento River, when one of its tanker cars spilled 19,500 gallons of metam sodium into the river.

Trains are far and away the most hazardous transportation system devised when it comes to hauling potentially deadly cargo. Trains move in excess of 1.5 million carloads of dangerous substances annually, materials like pesticides, herbicides, explosives, and poisons of every kind from coast to coast. Between 1989 and 1990, accidental toxic/hazardous rail spills increased by a staggering 25 percent from 1,015 to 1,254, according to the National Transportation Safety Board.

What can you do about it? Lobby your congressmen and senators, much in the same way the powerful Chemical Manufacturers Association does. This is the group that is trying to get the government to loosen controls on the transportation of chemicals on the nation's highways and rails, thus reducing manufacturing costs and increasing profit, at your expense.

The Federal Railroad Safety Act is up for revision. Contact your legislators and urge them to put pressure on the NTSB to fend-off the Chemical Manufacturer's Association bid to ham-string safety regulations.

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NITRO-PAK:

Knuckle Mender II

A handy first aid kit for treating minor injuries and ailments. . .

Staff Report

THIS nifty little first aid kit is packed with just about everything you'll need to treat a variety of minor injuries and illnesses. The Knuckle Mender II comes in a compact plastic snap-lock case measuring 5¼ inches long by 3¾ wide and 1⅝ inches deep.

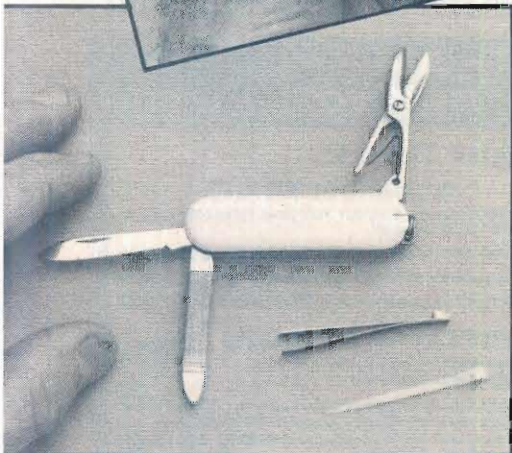
NITRO-PAK owner, Harry Weyandt, designed the kit because he wanted the most complete first aid kit available for minor cuts and scrapes. It weighs just 7 ounces and stores easily in glove compartments, kitchen drawers, medicine cabinets, purse, or anywhere else it might be needed.

Contents include: 6 antiseptic tow-elettes, 4 non-aspirin tablets, 3 triple antibiotic ointment packets, 1 roll of ½ inch wide adhesive tape, 10 1-by-3-inch adhesive bandages, 1 Iverest poison ivy cream, 2 bee sting relief swabs, 2 finger tip bandages, 2 knuckle bandages, 2 2-by-3-inch bandages, 4 extra large bandages, 2 2-by-2-inch gauze pads, a FeverScan thermometer, 2 Alamag antacid tablets, 1 Kool 'N Fit pain relief solution container, a 3-by-3-inch moleskin pad, 4 pain relief tablets, 2 green soap tow-elettes, 4 DiGon diarrhea relief tablets, 2 Blis-tex lip ointment containers, 2 ammonia inhalants, 1 Swiss-Army-type mini knife with blade, file and scissors, 2 burn cream packets, a sewing needle, 2 safety pins and a step-by-step emergency first aid guide.

Regular price is \$15.95 plus \$3.95 shipping and handling. As a special for ASG readers, the price is only \$12.95 plus \$3.95 S&H. NITRO-PAK Preparedness Center, Dept. ASG, 13309 Rosecrans Ave., Santa Fe Springs, CA 90670-4940; (310) 802-0099 or toll free (800) 866-4876. ●



The Knuckle Mender II is small enough to stash just about anywhere.



A Swiss-Army-type pocket knife is included in the kit.



You'll find a wide variety of items to handle small injuries and illnesses.

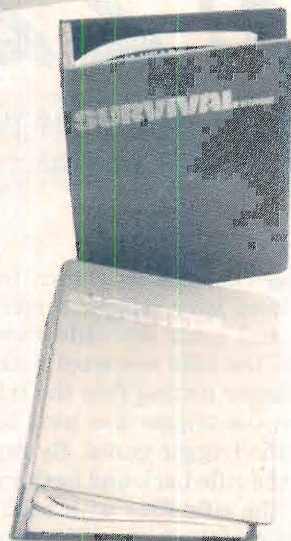


FeverScan is a strip that indicates temperature using liquid crystals.

An emergency first aid guide gives info on choking, heart attack, poisoning and other medical problems.



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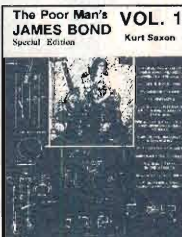
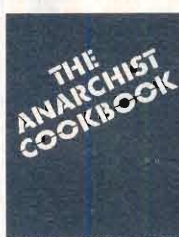
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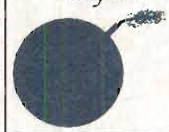
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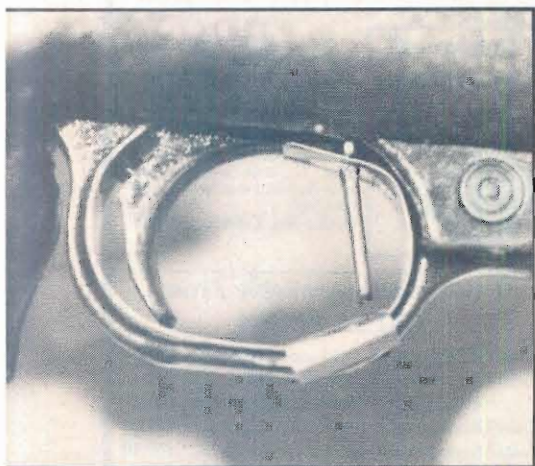
Staff Evaluation

This easy-to-install trigger device gives your 10/22 rifle full-auto-type rates of fire...



The HFS 22 is all steel, has a lifetime warranty and comes with complete instructions.

WE first tried the Hell-Fire trigger system a year or so ago on a Mini-14 and other larger caliber guns and we were delighted with the rapid, fully automatic-type rates of fire we achieved with this inexpensive little device.



Correct installation of the HFS 22.

We recently had the opportunity to try out the newest Hell-Fire device, the Model HFS 22, designed for the Ruger 10/22 semiautomatic .22 LR caliber rifle.

This simple little device installs in seconds without any modification to the firearm, just like the other Hell-Fire systems, so there's no damage to your guns, and it can be removed just as easily.

As with the other Hell-Fire systems, the HFS 22 comes with an illustrated instruction booklet. The accompanying photos show how the HFS 22 is correctly installed on a 10/22 by fitting it around the trigger, inside the trigger guard.

The larger caliber Hell-Fire systems are activated by holding the rifle fore end with one hand and placing your trigger finger on the trigger, holding it steady and pushing the rifle forward with the hand on the fore end to start the recoil-activated full-auto-type firing sequence. The HFS 22 works similarly, except you use your trigger fin-

ger more.

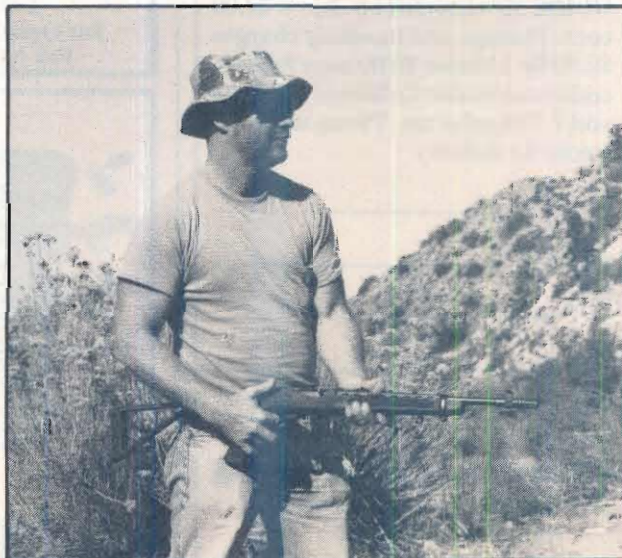
Holding the rifle as shown in the photos, keep your trigger finger stationary and push the rifle forward, then pull the rifle rearward with the trigger finger hitting first the trigger and then the trigger bar next to the front of the trigger guard. By rapidly moving the rifle back and forth in this manner the rifle fires with each pull and release of the trigger. You can also hold the rifle stationary and move your trigger finger rapidly back and forth between trigger and trigger bar for the same results.

By rapidly alternating between tapping the trigger rearward and the trigger bar forward the 10/22 fires much more rapidly than if the user is just pulling the trigger rapidly and repeatedly.

It takes some practice but you can get the hang of it fairly quickly and you will soon be firing off strings of automatic fire with three and more

(Continued on page 48)

With the HFS 22 installed, the 10/22 can be fired from the hip or the shoulder.



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SGT:



The Border Patrol Model 90121-NW with 14-inch barrel, shown here, is main model of the two Border Patrol models being purchased by the U.S. I.N.S. A few Model 90120-NWs with 18-inch barrels are also being purchased.

Border Patrol Shotgun

The U.S. I.N.S. is buying hundreds of these new 'Tactical Response' shotguns. . .

By Jim Benson

"PRACTICAL shotgun" is a concept which originated with top shooting instructors like Jeff Cooper and others. These instructors wanted a shotgun with features which maximize its overall capabilities and make it user friendly.

Unfortunately however, until now, shotguns of this type have only been available on a custom-built basis.

After studying the idea of the practical shotgun as espoused by the various shooting authorities, Roger Small, of the Nashville, Tennessee-based Scattergun Technologies, Inc., concluded

that there weren't any reasons why these features could not be incorporated into a production model. Thus, after a great deal of work, SGT has created the world's first production practical shotgun. Their efforts have resulted in a line of what they call their "Tactical Response" shotguns aimed primarily at the law enforcement market. Some models are also commonly available to civilians as well.

Now, after extensive testing, the U.S. Immigration and Naturalization Service has awarded SGT a 5-year contract for the Tactical Response shotguns,

with their first order being for more than 1,400 shotguns which are to be issued primarily to the U.S. Border Patrol Division.

The I.N.S. is buying two types of Tactical Response shotguns, also known as TR870s, designed especially for them and called the "Border Patrol" models.

These are modified Remington 870P Police Magnum 12 gauge slide action (pump) shotguns, most of which are short barreled (14 inches) models. The I.N.S. is also buying a few 18-inch barrel Border Patrol models from SGT.

This is the first time that a major

(Continued on page 67)

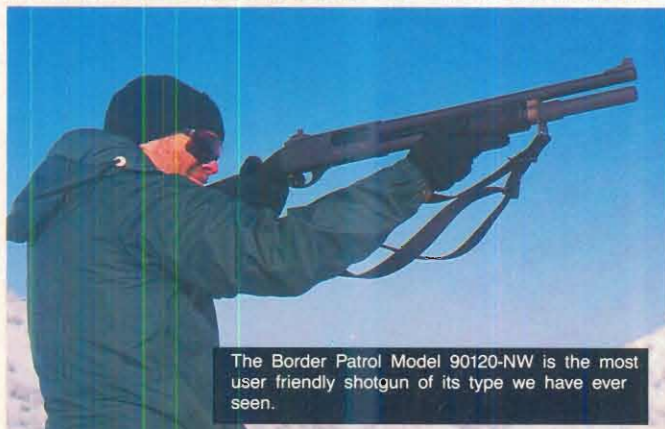


Different methods of carrying the shotgun with the 3-Way Tactical Sling, leaving both hands free.

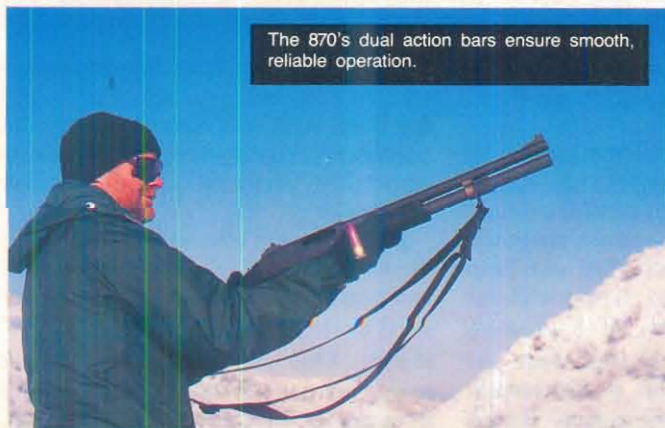




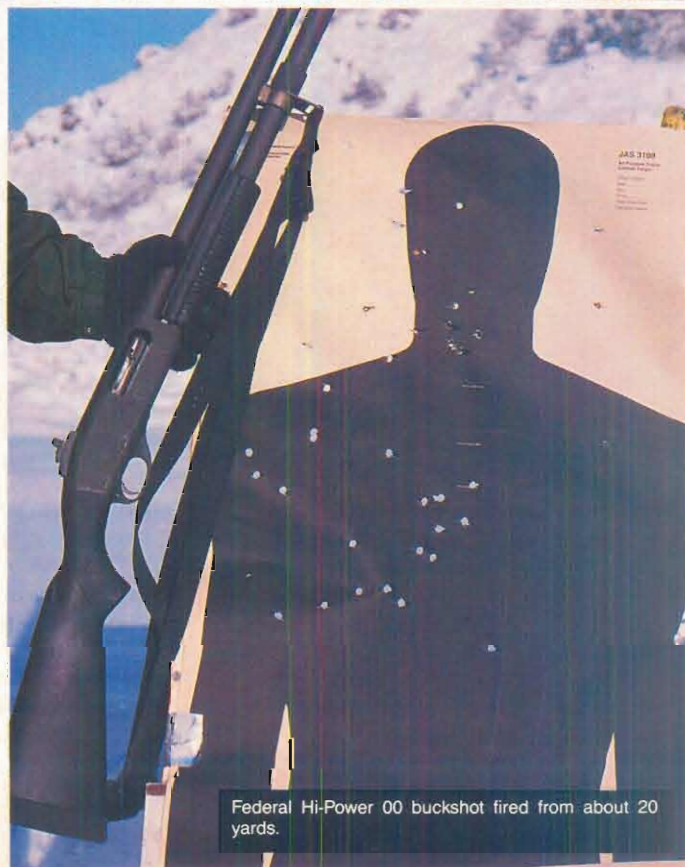
The Model 90120-NW holds 7 (6+1) 2¾-inch shells or 6 (5+1) 3-inch shells.



The Border Patrol Model 90120-NW is the most user friendly shotgun of its type we have ever seen.



The 870's dual action bars ensure smooth, reliable operation.



Federal Hi-Power 00 buckshot fired from about 20 yards.

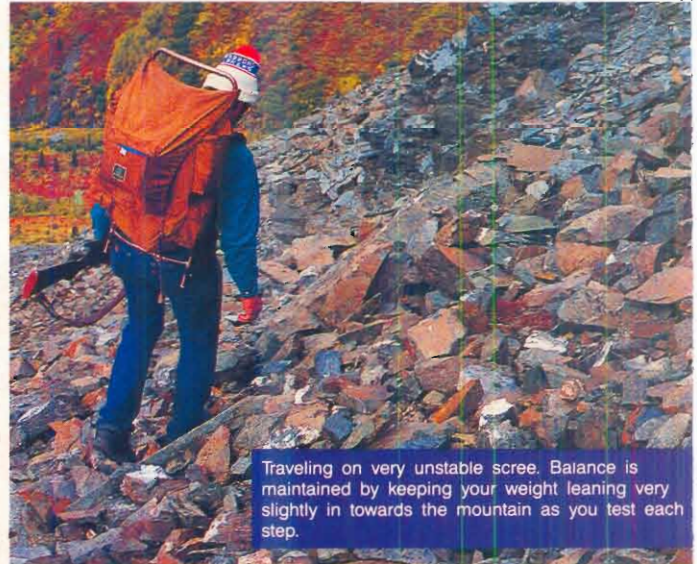
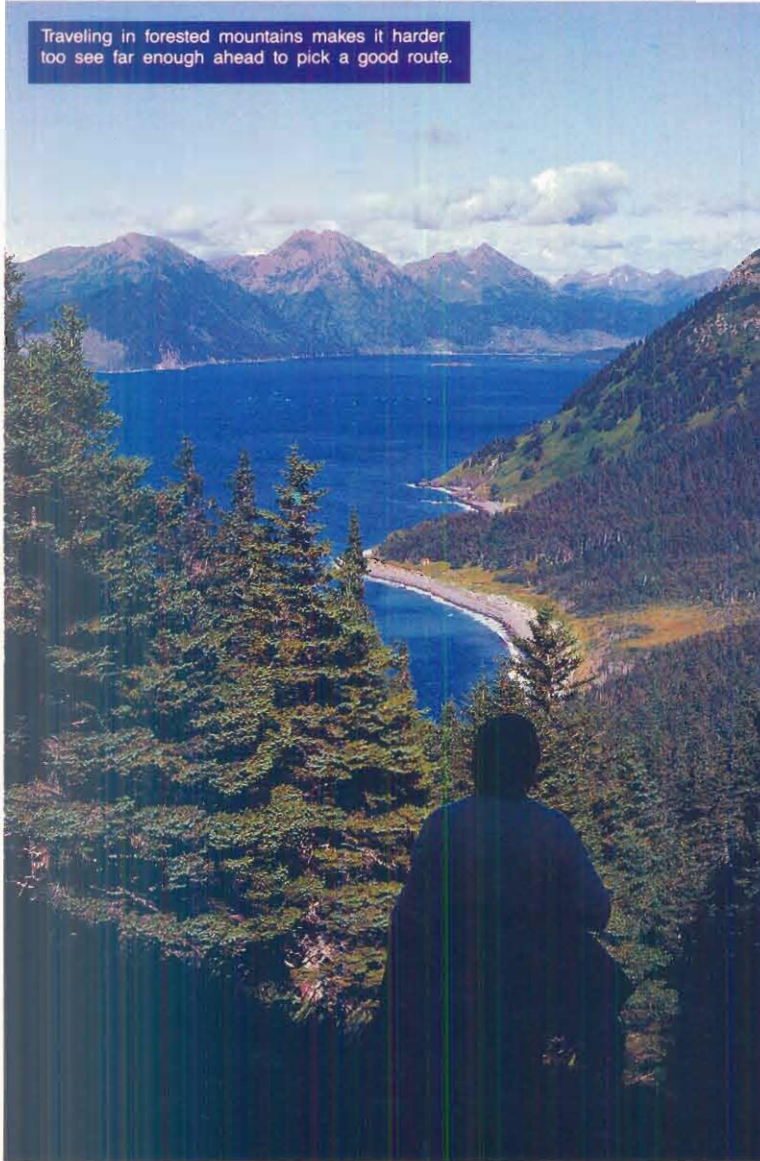
Mountain Travel

The authors are the founders and directors of World Survival Institute, a school offering courses in wilderness survival subjects which also makes and sells video tapes of those courses. For more information, contact WSI, Box 394, Tok, AK 99780; phone (907) 883-4243 — The editors.

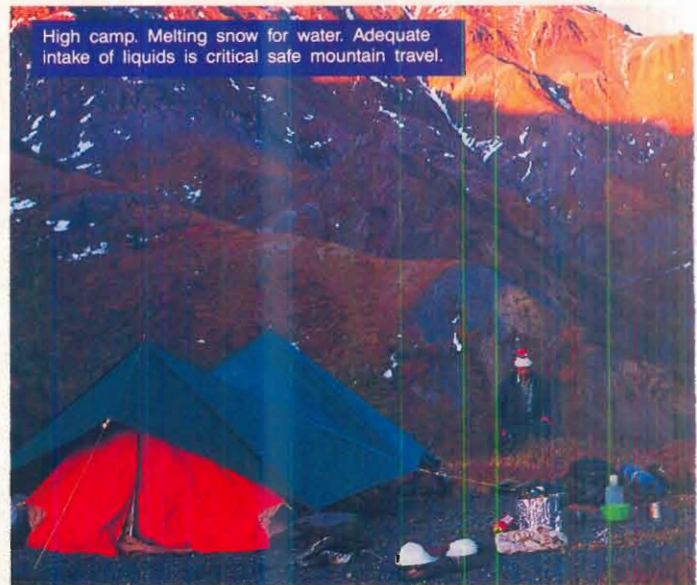
'Familiarize yourself with the type of rock in the area before you commit yourself to a route' . .

Moving Carefully:

Traveling in forested mountains makes it harder to see far enough ahead to pick a good route.



Traveling on very unstable scree. Balance is maintained by keeping your weight leaning very slightly in towards the mountain as you test each step.



High camp. Melting snow for water. Adequate intake of liquids is critical safe mountain travel.

By Chris and Gretchen Janowsky

UP here the shortest distance between two points is a route you really don't want to travel. It's called straight down the fall line and you generally arrive at your unintended destination with an assortment of lacerations and fractures.

There are old mountaineers and there are bold mountaineers but the old AND bold mountaineers are mostly a fantasy out of some glossy magazine

for yuppie armchair adventurers. The long cautious approach is what it's really all about.

You might be in the mountains by choice or you might have been rudely deposited there by an airplane crash. Whatever the circumstances, there are a few basic principles that can help you arrive where you choose without injury. First, remember Emerson's statement that, "In Nature there are neither rewards nor punishments, there are merely consequences." Every-

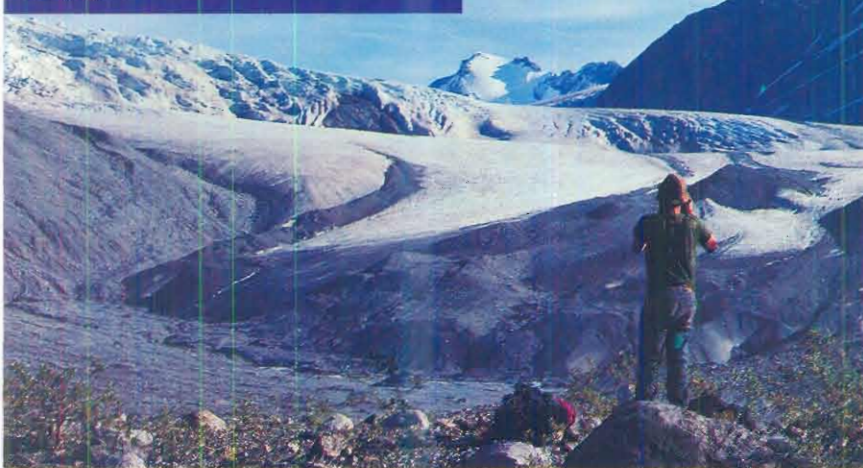
thing you do up here has its consequence. You will become intimately familiar with the practical laws of physics. Gravity is your primary enemy until you learn to use it to your advantage.

Mountains are masses that have been thrust up by geological forces. Erosion and gravity dictate that all mountains must be in the process of becoming flat plains. This is very important to remember — all those craggy peaks have untold tons of rock and snow that

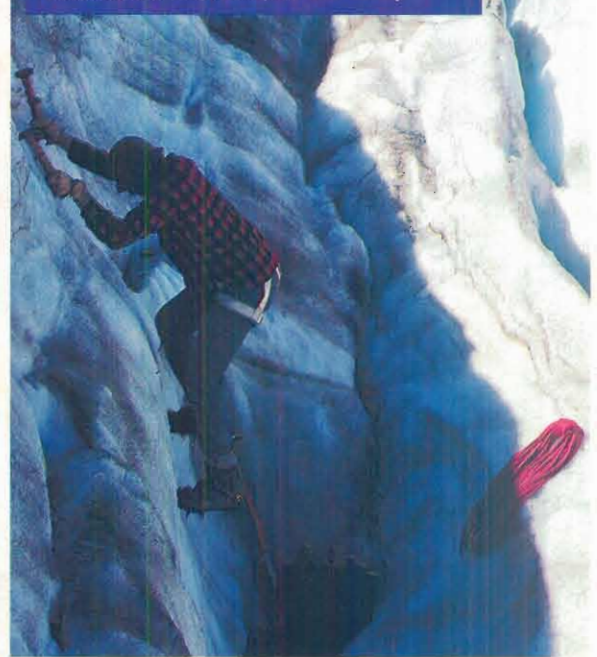
Once you get on good ground and out of the wind, it's a good time to stop for a rest. Exhaustion is dangerous — it makes your muscles shake and befuddles your thinking.



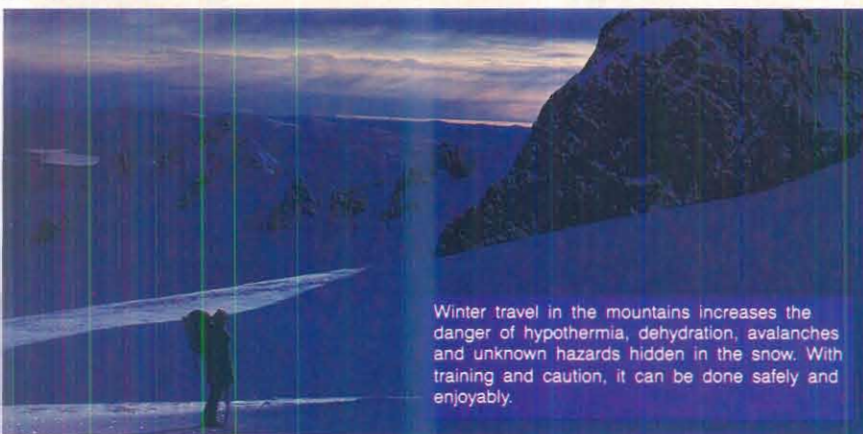
The "highway" appearance of this glacier is very deceiving.



A glacier looks like an easy travel route. However, if you're not trained and equipped for technical mountain climbing, you should avoid glaciers. Crevasses are deep, deceptive and deadly.



A campfire, even if there's only alpine scrub brush to burn, is an always welcome source of warmth and cheer, not to mention a way to melt snow for drinking, and a chance to dry damp clothes.



Winter travel in the mountains increases the danger of hypothermia, dehydration, avalanches and unknown hazards hidden in the snow. With training and caution, it can be done safely and enjoyably.

is only tenuously held in place and a fumbling human can very easily disrupt this balance and bring some of it down.

What is up is inclined to come down. Your task is to encourage this process as little as possible, and when it happens, to not be in the way. Inertia dictates that what is at rest tends to stay at rest and what is in motion tends to stay in motion and in the same direction of motion. This is the primary law in your favor as you try to glide across

loose rock that gravity is trying to turn into an avalanche.

So much for the theory, let's get down to practical points. In general, stay out of draws whenever possible. Lower on the mountain slopes, draws are likely to be choked with brush, often nearly impassable. High up, draws are filled with scree (loose rock that is very unstable). Draws are the pathways of avalanches; rock slides in the summer and deadly snow slides in the winter. The main ridge line and

the spur ridges leading off from it are generally more stable ground and more clear of brush. Crossing draws occasionally is inevitable in mountain travel, but choose your route carefully to avoid the most unstable areas.

When you pick a route across a rocky area, remember to look up for any large slabs that may come down if you disturb the slope below them. Try to choose several alternate routes out from any suspicious spots that may

(Continued on page 66)

The author is a professional forester who runs environmental education centers in the U.S. and Mexico — The editors

Helicopter Rescues

Medevac:

'Factors such as distance, access and condition of the victim will often require that a helicopter be dispatched to the scene without any professional ground assistance' . .



Flight for Life operations vary from wilderness settings to routine hospital transfers to transportation of victims of multi-vehicle collisions.



Contrary to emergency situations in urban areas where locations are easier to spot from the air, locating a site in a remote wilderness area is much more difficult.



Wilderness operations are becoming more and more frequent as an increasing number of the public take to the outdoors in pursuit of fun and adventure.



By David M. Knotts, D.F.

THE Vietnam War did much to glamorize the daring rescue missions of Medevac helicopters. And rightfully so.

Pilots and their crews braved inclement weather, tall grass, mountainous terrain, and small openings in the forest considered by most standards to be impossible to use as an "LZ" or landing zone, to pick up wounded troops. And there was the ever present enemy gunfire. Considered to be one of the most hazardous of combat assignments, many a pilot and crewman sacrificed their lives to save others.

Today, Medevac remains an important part of military operations, and is credited with significantly reducing loss of life in combat and training exercises.

A civilian spin off most commonly referred to as "Flight for Life" also stands ready to serve throughout most regions of the country.

In many cases, these choppers are piloted by the same men who flew missions in South East Asia. The door gunners and medics have been replaced by registered nurses and in some cases doctors who are specially trained in helicopter rescue and emergency procedures.

Although the enemy gun fire is not present, the men and women flying on flight for life operations are none the less at risk as pilots must contend with such urban hazards as invisible power lines and tall buildings and the rural hazards of uncertain landing zones and inclement weather.

Flight for Life operations vary from routine hospital transfers to transportation of victims of multiple car collisions. Wilderness operations are becoming more and more frequent as an increasing number of the public take to the back woods fields and streams in pursuit of outdoor adventure. Again, these injuries will vary in severity from a broken back as a result of a fall to a simple sprained ankle in which the victim can not walk under his own power.

The decision to call in a Flight for Life team in a wilderness area, ultimately rests with the local emergency authority, i.e., sheriffs department, U.S. Forest Service or National Park Service Rangers or a volunteer search and rescue team.

These people will usually be dispatched to assess the situation and assist with helicopter landing zone preparation. However, factors such as distance, access and condition of the victim will often require that a helicopter be dispatched to the scene without any professional ground assistance. In that situation, individuals on the scene with the victim will have to assume the responsibility of assisting the helicopter.

When a helicopter responds to an emergency, a pilot must have the following: 1) specific directions to the site of the incident, 2) a safe landing zone and 3) communications between the crew and ground personnel.

Site Directions — A helicopter is no different than any other emergency vehicle in that its ability to respond quickly and efficiently is dependent upon specific and accurate directions.

Contrary to emergency situations in urban environments, where an address or the intersection of two prominent roadways serves as effective directions, locating a site in a remote wilderness area is much more difficult.

Where possible, one should provide compass headings from prominent landmarks.

The prepared person with a good topographical map should be able to plot their bearings. If a map is not available, a verbal description will have to suffice. In either case, directions should be given from the general to the specific. For example, "We are in Jackson County, in the Park Moun-

tain Range, on the east side of the Continental Divide, approximately one mile north of Rabbit Ears Peak and a quarter of a mile west of Slide Lake. We are in a field on the east side of a small stream with six to eight beaver ponds."

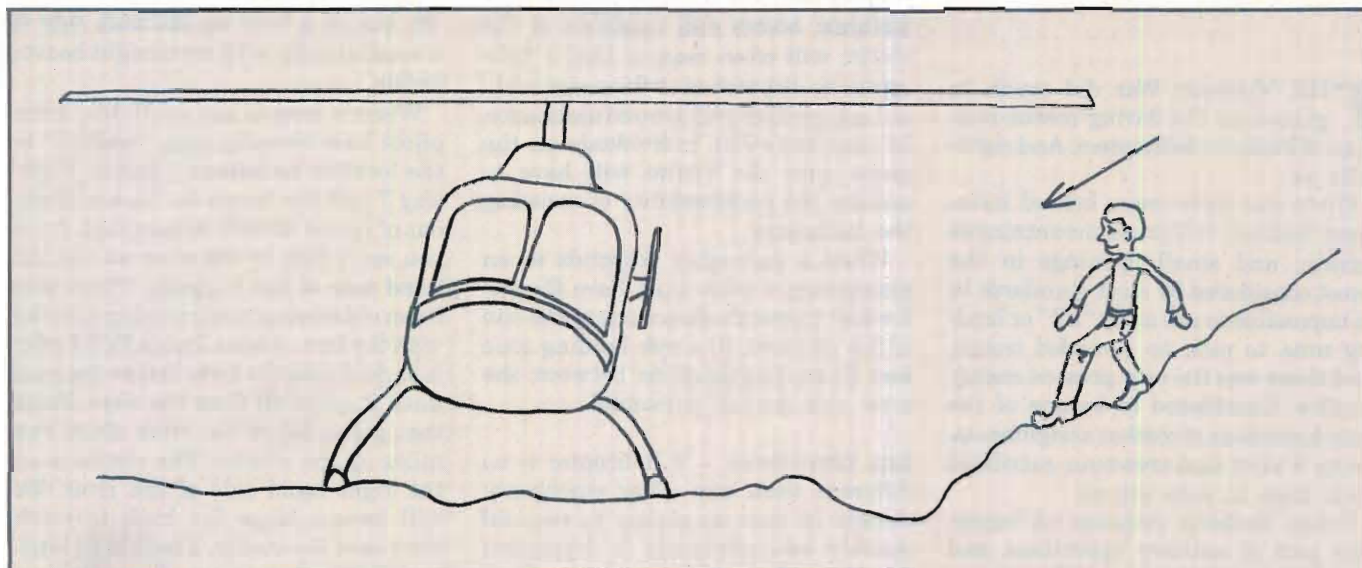
When a map is not available, some pilots have literally been "walked" to the location as follows: "Follow Highway 7 and the South St. Varain River out of Lyons toward Allens Park until you see a fork in the river on the left hand side of the highway. There will be an old mining road running parallel with the fork. A blue Toyota Pathfinder is parked near the fork. Follow the road until it splits off from the river. From that point, follow the river about two miles up the canyon. The victim is on the right hand side of the river. We will have a large fire built to mark the site of the victim. There is no landing site in the canyon. You will have to land on the canyon rim. Do not land on the left hand side as it is impossible to cross the river."

Although it requires some effort on your part, it is wise to obtain predetermined vectors for the general area you will be in. This is especially true if you fish, hunt or camp regularly in a specific remote area. Any pilot, the local sheriffs department or the medical response team servicing your area can help you determine this data. This falls under the ounce of prevention being worth a pound of cure rule.

When a map is not available, some pilots have been "walked" to the location with explicit directions from those on the ground.



Helicopter Rescues



When approaching a helicopter, always approach down slope and beware of rotor clearance.

When a helicopter is dispatched to a location to assist with an incident, a suitable landing zone must be selected. Contrary to popular belief, a helicopter can not set down just anywhere.

Any number of irregularities can cause the chopper to crash and/or serious injury to persons on the ground. A helicopter landing zone must be at least one and a half times, preferably twice the length of the landing helicopter (minimum of 60 by 60 feet square). The pilot can tell you how much room he needs for his particular helicopter.

Needless to say, large open fields are

from a minimal amount of dust, debris, or powder snow on the site. Loose items such as blankets, branches, maps, and trash should be removed so they don't blow around and obscure a pilot's vision or injure a bystander.

Communications — When possible, radio contact should be made with the crew. If radio communications are not possible, inform the dispatcher of site conditions and other pertinent information when the emergency is called in. In many cases, a local search and rescue team will respond on the ground and will have radio communications capabilities.

Because helicopters cover great distances fast, you must have your signals ready for use the instant you hear the craft. Signals are best seen by approaching helicopters and easily missed if sent as they are departing an area.

Stay in the immediate vicinity of set signals that need lighting or manipulation. This is especially true at night.

If you have provided adequate directions to the general vicinity of the incident, the helicopter is going to slow down and look carefully for you. However, it is possible that the chopper could end up in the wrong drainage or across the ridge and you will need to attract their attention from a distance.

Smoke by day and fire by night are always good signals because of the great distances they may be seen. Trees tend to disperse smoke so try to place signal fires in the open. Smoke should contrast with the sky and terrain. Black smoke generated by adding rubber, coated fabric or plastic to your fire is more effective on clear days or when the background is light colored such as with sand or snow. White smoke for dark cloudy overcast days or when in dark colored vegetation may be created by adding green leaves, pine needles, grass or wet cloth to a hot fire. The Navy teaches its fliers to use an elevated fire platform to insure maximum oxygen for a quick effective fire.

Color helps attract attention. Brightly colored material from clothing or camp gear may be placed on a prominent point or waived by hand to flag the helicopter. Flares, and re-

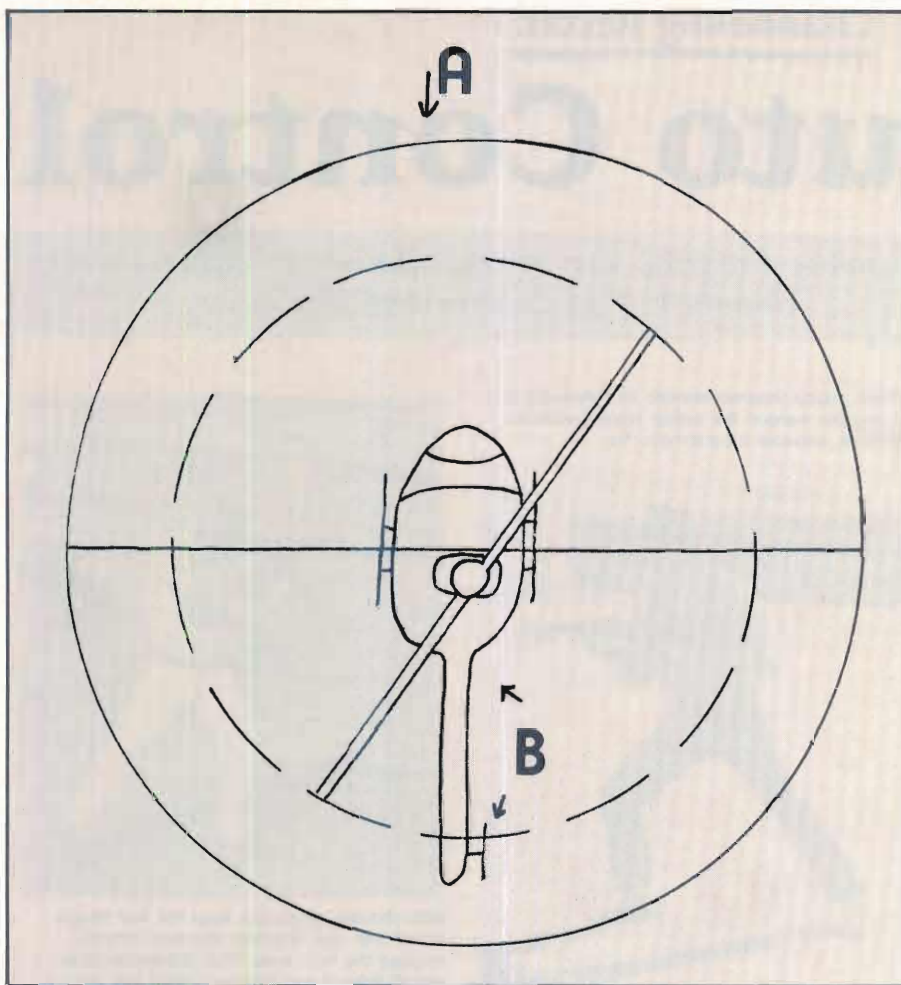
Smoke by day and fire by night are always good signals because of the great distances they may be seen.

desirable over confined areas. Hazardous obstacles such as telephone wires and power lines, tall trees, canyon walls and buildings should be determined and communicated to the pilot. This is especially true at night when many of these obstacles are virtually invisible. One often overlooked hazard is the slope of the site. Many a helicopter blade has been destroyed when it came in contact with a sloping bank. When a blade shatters, it sends pieces in all directions capable of cutting a person in half.

Both the pilot and onlookers benefit

If it becomes necessary to communicate with the helicopter without a radio, international ground to air signals are very useful. These signals may be tramped out in the snow or dirt or made with rocks or logs.

Marking your exact location and the location of the landing zone may be as simple as a fire or as sophisticated as a portable strobe light. Again, professional rescue units will have the more sophisticated equipment. However, you may be limited to more traditional signaling methods such as fire, smoke, or a reflective mirror.



Approach a helicopter only when signaled to do so by the pilot or crew. A) Make your approach from the front half of the helicopter. B) Stay away from the tail rotor and the exhaust blast.

flective mirrors also serve well as site locators.

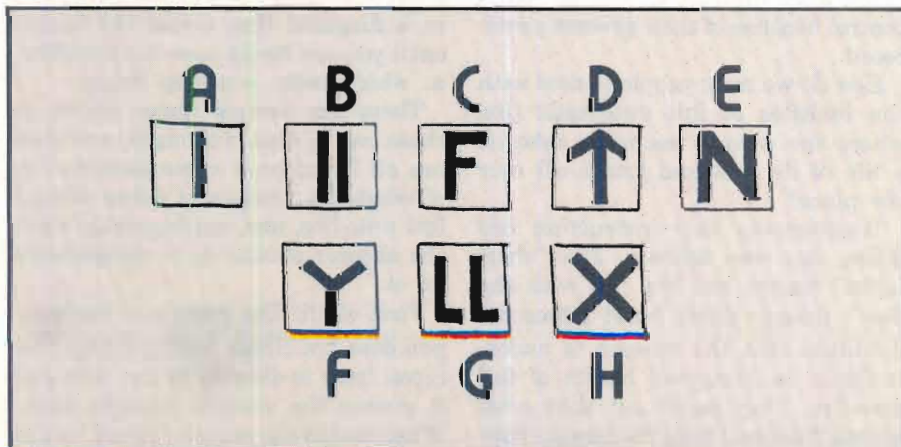
At night, you may want to put a flashlight on the ground to mark the landing spot or perimeter. If a smoke canister is used for signaling and determining wind direction, place upwind and off site. Be careful that the canister does not accidentally start a fire.

When contact has been made with the helicopter and it is apparent it is

going to come in, keep all people at least 100 feet from the landing zone. Secure loose garments, hats and other light objects which may be blown away by the rotor wash.

As the primary person directing the helicopter, establish and maintain eye contact with the crew. If it is night, never shine a light at the helicopter

Ground to air signals are effective means of communicating your situation. The following are commonly used by hunters safety instructors: A) Require doctor — serious injury; B) Require medical supplies; C) Require food and water; D) Am proceeding in this direction; E) No-negative; F) Yes-affirmative; G) All well; H) Unable to proceed.



as it may blind the pilot or crew. Most helicopters have a landing light to scan the ground before setting down.

Approach the chopper only when signaled to do so by the crew. Never drive a vehicle or smoke within 50 feet of the craft. Approach on foot from the front to avoid tail rotor and exhaust blast. The tail rotor is usually at eye level and impossible to see. Always approach in a crouched position down slope. The main rotor height may not provide sufficient clearance for personnel. Wind gusts can cause rotors to dip, reducing clearances.

Never carry objects that protrude overhead as they may be hit by the rotors and cause damage to the craft or injury to persons on the ground. More than one field stretcher has wound up in the blades of a helicopter as a result of carelessness. If possible, wear some type of eye and ear protection.

A number of factors may enter the picture to prevent a helicopter from landing. If the pilot is unsure of the site, he is not going to set down. Last minute changes in the weather, limited visibility or wind are all sufficient reasons for a pilot to abort a mission. Some pilots have simply preferred to wait for a skilled rescue team to arrive on the ground to ensure a safe landing site. Or, they may choose to land at an alternative site farther away and walk in. If a helicopter is on the scene and it decides to pull out, do not despair. It has marked your location and will return. In most cases, it will try to communicate its intentions and drop needed supplies.

A helicopter is not magic. It is a mechanical device and subject to failure. Contrary to popular belief, it can not hover indefinitely and, given some wind and weather conditions, it may not be able to hover at all, especially at high altitudes where the air is much thinner. A pilot must always think of the safety of his crew and avoid unnecessary risks. Still, the percentage of successful rescues far exceeds aborted missions. The chopper's ability to reach remote areas in a quick, efficient manner coupled with the skills of the medical personnel on board has saved countless lives.

Responsible support from the ground is an important part of the rescue mission and every effort should be made by back country users to familiarize themselves with assistance procedures. This is one more skill which should be filed in the survival kit of knowledge. ●

By Daniel C. Friend

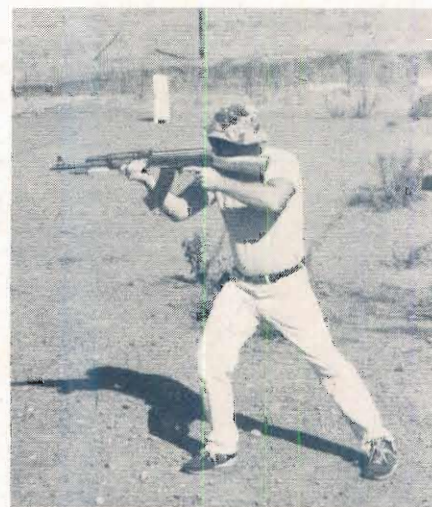
Channeling Recoil:

Full-Auto Control

The author is a former security instructor with the U.S. Central Intelligence Agency and a former instructor at the California Specialized Training Institute — The editors.

Automatic firearms vary tremendously in controllability depending on caliber and design...

These photos illustrate stances and methods of aiming the weapon the author recommends for effective, accurate full-automatic fire.



With shoulder-aimed fire keep the butt snugly locked into your shoulder and lean forward, bending the front knee. This distributes body weight forward and channels recoil into the ground.

EVERYBODY knows what full-automatic fire is, but how many of us know what it's like?

Military veterans will remember the experience they had during Basic Training where they may have had a brief orientation and fired off several short bursts on full-auto.

The reasons the military conducts these full-auto orientations is to demonstrate that full-auto fire is uncontrollable and to discourage soldiers from using it. These orientations are usually accompanied with the admonition to leave the selector on semi-auto and squeeze off individual, aimed shots. Given the tendency most trainees have to wildly spray everything in sight, this is probably good advice.

Movie fans, on the other hand have learned an entirely different lesson from Hollywood. They have seen lots of full auto-fire, all of it very controllable, very accurate and of course very unrealistic — but dramatic none-the-less. One of my favorite full-auto scenes is from "Miller's Crossing," a gangster movie set in the 1920s. In one scene Leo (Albert Finney) shoots several very

accurate sustained bursts, totaling probably 300 rounds from a Thompson with a 50-round drum. The lesson movie fans have learned is that full auto-fire is no big deal. Just pull the trigger and spray away the enemy.

Now for the reality. Automatic firearms vary tremendously in their controllability depending not only on their caliber, but also on their design. Given a little practice and lots of ammo most people can figure out how to control a submachine gun fairly well. Assault rifles, on the other hand, are generally much more difficult for the novice to control because of their greater power recoil.

How do we train people to deal with the realities of full automatic fire, where the weapon seems to take on a life of its own and jumps all over the place?

Traditionally this instruction has fallen into two schools: The "short burst" theory and the "go with the flow" theory. Short burst adherents maintain that the weapon is uncontrollable in sustained bursts of full auto-fire. They point out that most rounds fired will miss the target. They

suggest that by developing the trigger control ability to squeeze out 3-round bursts you should be able to keep two or possibly all three of these rounds on the target. Prior to firing the next burst you recover, re-aim and tap the trigger again.

Go with the flow adherents maintain that the recoil forces acting on fully automatic weapons force the muzzle up and to the right. Therefore, according to their argument, you aim at the lower left of your target, say down around his feet, and squeeze off a burst, letting the weapon guide you in a diagonal line across the target until you are firing over his shoulder, at which point you stop firing.

There are several major errors in these two schools of thought, and they are all based on a misunderstanding of what the weapon is doing during full auto-fire, and consequently what the shooter should do to compensate for it.

First of all: The muzzle of the weapon does not climb during firing. The recoil force is directly to the rear and it pushes the weapon straight back. What makes the muzzle "climb" is the



When firing from the low assault position tuck the stock under your arm pit and clamp the pistol grip over your solar plexus, locking the weapon into this position and aiming by turning your body, not the weapon itself.



Put the target atop the front sight ring, disregarding the front sight itself. The AK-47, such as this Chinese communist model made in 1955, is designed for this type of sighting.

human anatomy, compounded by an improper firing stance.

Watch most people attempt full auto-fire. They stand straight up with their feet close together as if they were on a target range with a .22. In this position, when the weapon pushes to the rear, its force will cause the firer to bend backwards at the waist. It is their back-bending at the waist that causes the muzzle to climb. When fired "from the hip" the rearward force on the weapon causes the elbows to bend. These body movements occur because the weapon's recoil force has to go some place. As this force moves through the body it causes movement at the weakest points: The waist and the elbows.

If you want to test this theory out try shooting your weapon (a semi-auto will do) the normal way. Then switch hands and turn it upside down. If the muzzle climb theory is correct the weapon's muzzle will travel downward and to the left. The results: That the weapon's muzzle still climbs upwards will quickly demonstrate the validity of the body-dynamics theory of weapon control: that it is the body's "hinged"

movement that causes muzzle climb.

In order to control a weapon during full auto-fire you must channel the recoil force through your body and into the ground. You do this by taking an aggressive stance, bend your front knee and point your lead foot at the target. Your rear leg should be straight and in a direct line with your back. Lock the weapon tightly into your shoulder with your firing hand. Cradle the weapon in your off-hand. It is there to provide support not to wrestle with the weapon.

During a sustained burst you will feel the weapon start to "climb" as it pushes you back. This is because you are allowing yourself to bend. To counter this "climb" you simply keep the butt snugly locked into your shoulder and lean forward by bending your front knee. This distributes your body weight forward and channels the recoil force down your back, through your leg and into the ground — countering the weapon's tendency to "climb."

After some familiarization with this technique and some live fire practice you will discover that you can keep all 30 rounds of a sustained burst from

an AK-47 on an upper torso silhouette at 25 yards. At 100 yards you will be able to keep all your shots within a radius of three feet. For comparison, firing a sustained burst from a more conventional stance often yields a long string of shots that is 25 to 30 feet high at 100 yards.

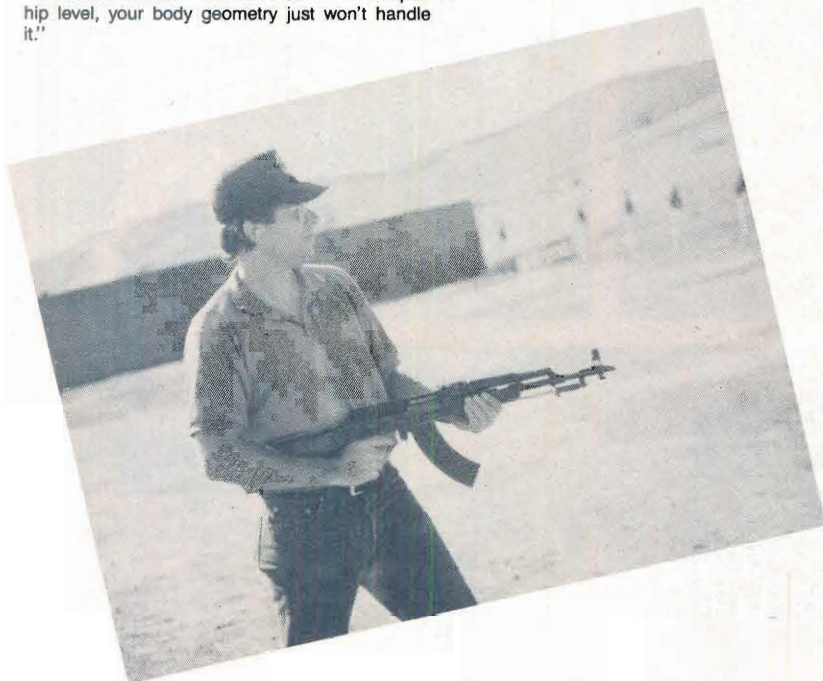
Another advantage of this technique is that it is effective for the assault. You simply advance in a shuffling fashion without crossing your feet. This will maintain the weight forward balance you need to control the weapon while advancing.

Sighting — Another area that causes problems for most shooters is maintaining some sort of sight picture during auto-fire. The reciprocating action of the bolt makes it impossible to hold a conventional sight picture. And we don't always have the luxury of shooting against a dirt hillside where we can watch the impact of each of our rounds.

With their doctrine of massed automatic fire, the Soviets developed sights which lend themselves most easily to this type of use.

Full-Auto Control

The author states: "You can't control a weapon at hip level, your body geometry just won't handle it."



Get a solid cheek weld to the stock and use your eye as the second reference point, disregarding the rear sight.



During auto-fire you get a solid cheek weld to the stock and use your eye as the second reference point, disregarding the rear sight. You then simply put the target atop the front sight ring, again disregarding the front sight itself. As you might suspect, the AK-47 is perfect for this kind of work, having been designed that way.

It is still possible to use this technique on Western weapons that use a rear peep sight. You simply look over the peep sight and set the target above the front sight protector ears. Once you have practiced a little you will find just how effective you can be with full auto-fire, especially in the assault mode where you can move forward, providing your own cover fire.

The M-16 is ideally suited for this technique because of its already low recoil impulse, attributable primarily to its diminutive round and its straight-line stock design.

This full auto-firing technique is just as effective from the low assault position as it is from the shoulder. You'll notice that I avoid the term "hip." You can't control a weapon at hip level, your body geometry just won't handle

it. In the low assault position you tuck the stock under your armpit and clamp the pistol grip over your solar plexus. You lock the weapon into this position and aim by turning your body, not the weapon itself. Otherwise the fundamentals are the same: You control the weapon with your front knee, bending it to bring your weight forward to counter the recoil forces generated by the weapon.

What about compensators? They are an outstanding idea if you can find one that works well. To do this you'll probably need to test several on your particular weapon. Some compensators deflect the muzzle gasses to the rear, helping to neutralize the weapon's rearward movement. Others deflect the gases upward, compensating for the body's tendency to bend backward under the forces of recoil.

The full auto control techniques described here are most appropriate to the military where there is a sufficient logistical "tail" to keep the troops equipped with the massive amounts of ammunition consumed by automatic weapons. For the individual or guerilla, auto-fire is usually a disastrous

waste of precious resource — ammunition.

You adapt your tactics to your resources. If you have an unlimited supply of ammo, you can put automatic fire to very effective use by applying these techniques. If ammo is in short supply you are best advised to avoid getting involved in fire fights. In that case you would attack the enemy only when you could achieve your desired results with a few well-placed shots and escape utilizing stealth rather than firepower.

While specifically intended for automatic weapons, these techniques are equally valuable for semi-autos. You can dramatically lower your recovery time between shots by simply remembering these steps: Keep your feet wide apart, take an aggressive stance, bend the front knee and lean way forward into the weapon. Lock the butt securely into your shoulder and bend your front knee to counter "climb."

After a little practice, you will find yourself firing several well-placed shots into a target in the same time that would formerly have found you recovering from a single shot. ●

TO THE POINT

(Continued from page 6)

The accompanying editorial is more of the same: in 1991 gun violence "was more frequent and indiscriminate than ever..."; "...law enforcement is out-manned and outgunned..." and "struggling against an overwhelming tide of guns"; we need — here we go again — "a tough, uniform federal law...to slow the movement of handguns and keep them away from people who should not have them..."; and finally, "all Americans" should "take a good, hard look at the future of a country that permits the Second Amendment of the Constitution to become an endorsement for a right of people to kill each other."

Can you believe that one of the nation's largest papers would print such outrageous garbage? Do you get what they are saying at the end there, that we have allowed the Second Amendment to become an "endorsement for a right of people to kill each other"? Yeah! Of course! That's it! The Second Amendment is tantamount to a right of people to kill each other! You can bet there are millions of people in this country who agree with that absolutely idiotic statement.

If you ask me, I'd say all Americans had better take a good, hard look at the future of a country like ours with such immensely powerful and politically biased big media organizations — organizations which are waging a relentless and pervasive propaganda campaign against firearms freedoms as part of a hidden political agenda. No one is saying that violent criminals or mentally unstable people should have easy access to guns. But clearly, the media is hysterically sensationalizing crimes by such people involving guns to lobby insatiably for gun prohibitions which will apply to all citizens, especially the law-abiding, since these people are the only ones concerned with obeying the law. It's time for some tough questioning of those people in the media as to their true motives for their venomous hostility to private firearms ownership and use.

The American people badly need to be more aware of our mass media, the people in it, its politics and methods and how it is used to cleverly and skillfully manipulate unthinking minds and create public opinion —

Jim Benson.

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Colt:

Double Eagles

Two stainless steel, big-bore, decocking, double-action semiautos descended from the classic Government Model...



The New Double Eagle Officer's ACP .45 and 10 mm pistols offer the best of the renowned 1911A1 pistol plus design enhancements including double action and decocking mechanisms.



Serrated top strap of 10 mm breaks up glare.

Both test guns performed superbly and provided very good accuracy.



Staff Evaluation

COLT's Double Eagle semiautomatic pistols incorporate design features from other Colt guns of years past, including the renowned Government Model 1911A1.

They operate on the Browning/Colt short recoil, link-pivot locking system of the Government Model but the Double Eagles have the decocking function and may be fired double action or single action.

These handguns were designed for use by law enforcement, in handgun hunting and collecting, and for personal, home and business protection.

Offered only in stainless steel, the Double Eagles are available in either

.45 ACP, 10 millimeter and .40 S&W calibers. All models — there are currently nine — have 8-round stainless steel magazines, and beveled magazine wells for fast, reliable loading. The Double Eagles are designed to fire all types of commercial factory ammo, including hollow points. They also feature forged receivers and slides, improved ejection ports for more reliable operation, 3-dot sighting systems or optional adjustable sights, and non-slip, all-weather, impact-resistant black checkered Xenoy grips.

The barrel, barrel bushing and recoil spring of these guns are the same as those found on the Government Model Series 80. The slide assembly is similar to that of the Series 80.

Designated the MK II Series 90 Double Eagles, these newest Double Eagles incorporate several Colt design enhancements. These include reduced trigger reach, material added to the trigger, redesign of the trigger guard and receiver in the trigger area for greater comfort and control. The stocks have been redesigned for improved comfort and the grip has been slimmed down and recontoured for better fit and increased control. A Gold Cup National Match strut is used to provide a smooth, relatively light trigger pull. There is also a new trigger retaining method for reduced trigger play. Our measurements indicated that both the .45 ACP and 10 mm test Double Eagles had single action trig-



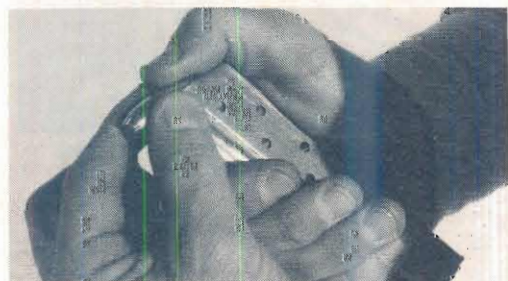
Field stripping is similar to that for the 1911A1.



Frame mounted decocking lever safely lowers hammer on a live round.



Results of some fast aimed fire with both guns from 10 yards. Head shots are from 10 mm Winchester Silvertips. Torso shots are 230-grain Norinco .45 ACP.



All Double Eagle magazines are stainless steel and hold 8 rounds.

Optional adjustable rear sight on the 10 mm.



ger pulls of about 6 pounds and double action trigger pulls of about 12 pounds. The matte stainless steel is non-reflective, easy to maintain and gives the pistols a long, corrosion-resistant life.

Among the many desirable attributes of the Double Eagles are their several safety features. There is a "Safety Stop," a flat, shelf-like surface on the hammer which will engage the sear and prevent the hammer from falling fully forward accidentally, insuring against uncontrolled automatic fire. It can be engaged by use of the decocking lever. The decocking lever also minimizes the risk of accidental discharge by safely dropping the hammer from the full-cock position to the safety stop position without the trig-

ger being squeezed. The firing pin remains locked during the decocking procedure. Then there is the disconnect function of the drawbar, which prevents a round being fired before it is completely chambered with slide and barrel locked. Additionally, there are the inertia firing pin and firing pin lock safety features. The recessed firing pin must be struck by a strong hammer blow to overcome the inertia of the firing pin spring holding it in place for the firing pin to strike the cartridge primer. The firing pin lock engages the firing pin to prevent its movement until the trigger is squeezed.

Take down for inspection and cleaning of the guns is very similar to that of the 1911A1. Our test .45 Officer's

ACP, however, requires the use of a Flathead screwdriver or like instrument to turn the recoil spring plug, while pushing it inward, about 1/2 turn left or right for removal (beware of recoil spring tension).

Our Double Eagle 10 mm weighs in, with empty magazine, at 39 ounces. It has the optional rear square notch sight click adjustable for windage and elevation. Front sight is a black ramped blade. Sight radius is 6.5 inches. Overall length is 8.5 inches. Barrel is 5 inches. Height is about 5.5 inches. Width is about 1.25 inches. The Officer's ACP .45 is 34.5 ounces with empty mag. Sights are a rear fixed square notch (drift adjustable) with two white

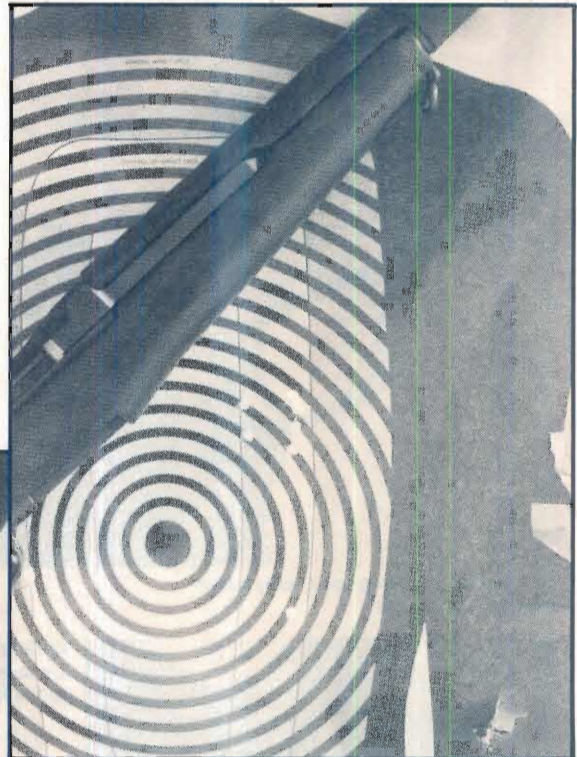
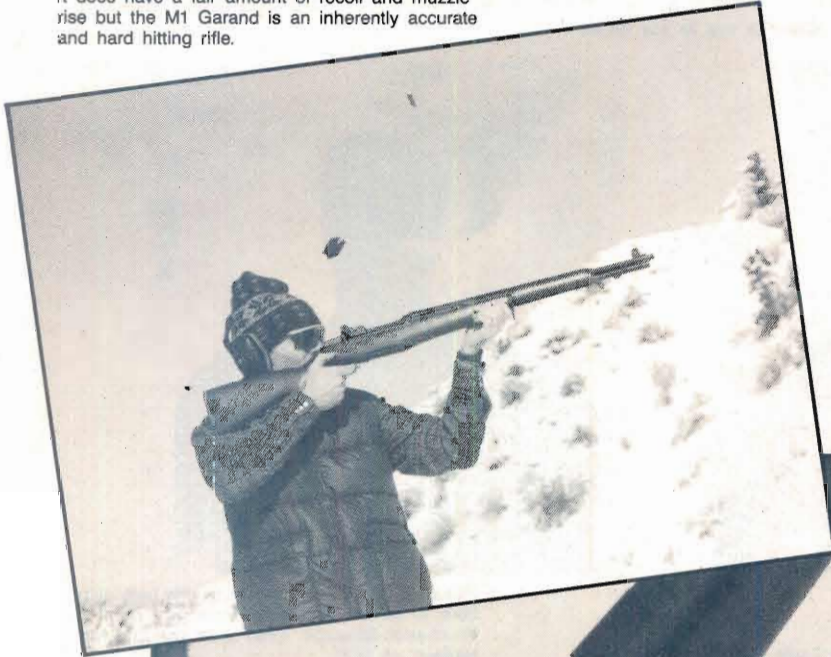
(Continued on page 65)

The big, heavy, powerful, reliable and accurate WWII-era

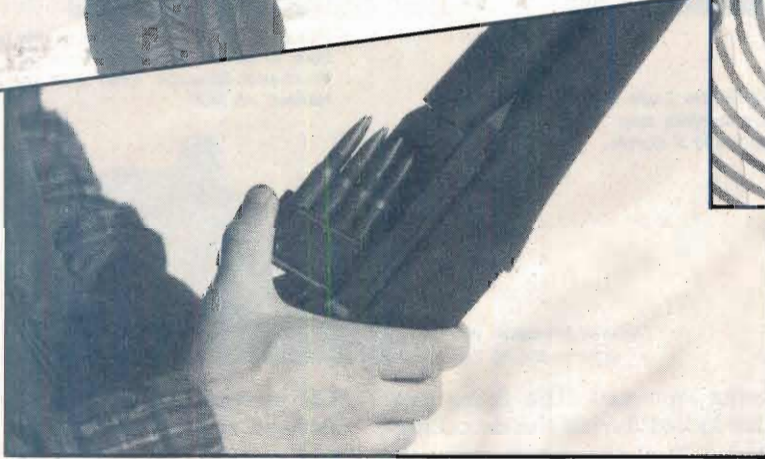
M1 Garand

service rifle is still popular with civilians today. . .

It does have a fair amount of recoil and muzzle rise but the M1 Garand is an inherently accurate and hard hitting rifle.



This 17/8 inch group was obtained using a rest firing from 50 yards with the rifle's iron sights.



Full ammo clip is boded into the breech.

NOW obsolete as a military weapon in the U.S., the M1 Garand rifle in .30-06 caliber is still used by some nations and remains very popular with U.S. civilians, including the National Match versions.

Although there have been several attempts by the anti-firearm-ownership fanatics to ban this weapon in recent years, it is still commonly available in most parts of the U.S. Quite a few have been imported from overseas recently and sold on the civilian market here in the states, augmenting the supply already here and available as U.S. military surplus. Some of these rifles are

rather worn while others are like new.

Federal Ordnance of South El Monte, California, has a supply of these rifles and parts purchased from overseas sources. Fed Ord also offers arsenal refinishing and rehabilitation of private Garands.

For \$135 Fed Ord will install a new military spec barrel on your Garand, restore original accuracy and metal finish.

They will also tankerize your Garand for \$170 so that you have the shorter (38 inches overall length as opposed to 43 inches overall for standard size) rifle. Barrels are available in either

style in either .30-06 or 7.62 NATO calibers.

If you'd just like to buy a refurbished Garand with new barrel in either caliber, you can purchase one from Fed Ord for \$389.95 for the standard model or \$429.95 for the tanker version.

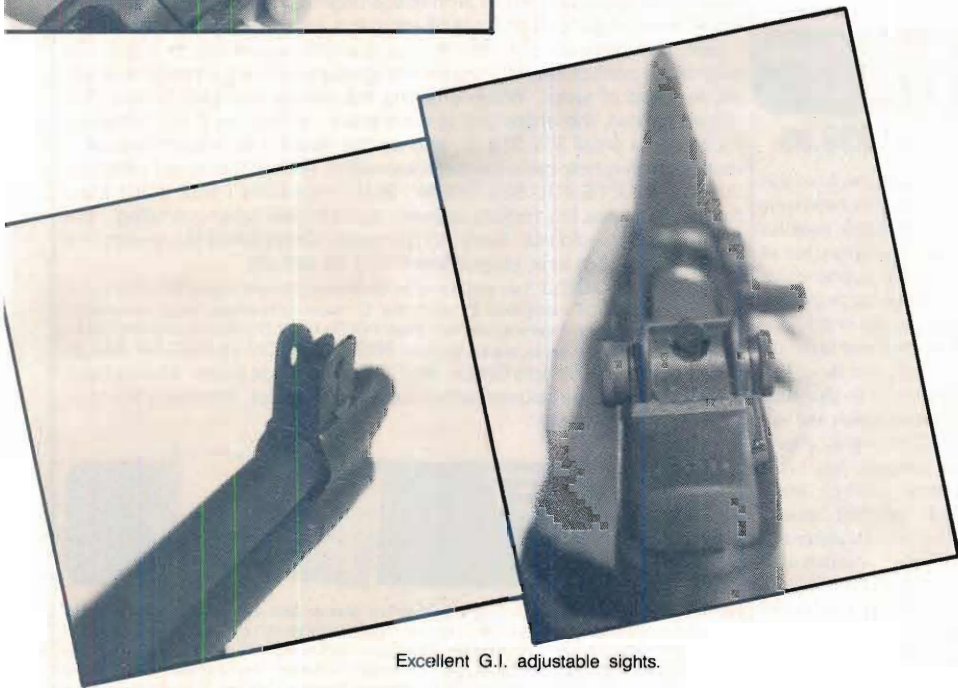
We reviewed a 7.62 caliber tanker Garand in the January issue and we liked the gun. Now we've test fired a Fed Ord standard M1 Garand in .30-06 caliber.

The standard Garand is a heavy gun, weighing in empty at about 9 lbs., 13 ounces. Overall length is about 42 3/4 inches and barrel length is 23 3/4 inches.

Ammo clips hold 8 rounds each and are ejected after last round is fired.



Storage compartment in butt stock for cleaning gear.



Excellent G.I. adjustable sights.

You have the excellent click adjustable G.I. sights (rear sight adjusts for windage and elevation) which make shooting this rifle a real pleasure and significantly aid in its inherent accuracy. The weight, especially fully loaded with 8-round ammunition clip, helps hold down recoil from the powerful .30-06 rounds.

The renovated Fed Ord M1 is all G.I. spec parts and proved to be just as reliable and accurate as any of the other Garands we've fired over the years.

Firing from a rest at a target set up 50 yards away we had no trouble getting a 1⁷/₈-inch, 5-shot group right off

the bat.

The rifle had no feeding or jamming problems and performed flawlessly during test firing with Fabrique Nationale (Belgian) and Colombian military specification ball ammunition.

These outstanding semiautomatic rifles are great options for hunting, target and competition shooting, self defense (primarily for long-range situations) and other applications.

For more information contact Federal Ordnance, Dept. ASG, 1443 Potrero Ave., South El Monte, CA 91733; phone (818) 350-4161; fax (818) 444-3875. •

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The classic Fighter Flight Jacket with DISTRESSED LEATHER look: light to medium brown color, soft & supple, looks and feels worn yet this jacket is brand new! Made of Dura-Hide, a man-made leather that defies you to tell it from the real thing. Here's your chance to pick today's most popular flyer/racer style at a very reasonable price. And check out these features: Handsome white Sherpa collar; heavy duty brass zippers; horizontal (zippered) and vertical front pockets; heavy duty knit cuffs and waistband; stylish epaulets on each shoulder; 100% nylon lining; 6-ounces polyester body fill for warmth that doesn't weigh you down. This rugged jacket is double stitched for longer wear and generously cut for comfortable fit. Order TODAY for ~~\$55.00~~ **ONLY \$29.95** Size: XL (46) only.

NIGHT COMMAND Classic Pilot's Watch

Just \$39.95



Analog/
Digital
Combo

That's right, for only \$39.95 you can have this aviator/racer watch. It's finished in handsome gunmetal black with matching black stainless steel band. The classic watch, because it has all The Right Stuff - from its All Business outside to its high-tech electronic workings. This is today's most popular watch - the perfect blend of history and style for men on the go. Check out these features: Both Analog AND Digital time displays with luminous hands and numeral markers and LCD display; allows for dual time zone settings; has 12/24 European/Military time settings; reads hours, minutes, seconds, AM/PM, month, date and day of week; has a daily alarm and hourly chime; has a one-hour stopwatch with 1/100th second resolution; has a rotary time ring bezel; is water resistant to 50 meters (165 feet); has 1-1/2 year battery; and mineral glass crystal so it will never scratch! PLUS the intricate QUARTZ movement is accurate to +/- 15 seconds a month. Order #NCW, \$39.95

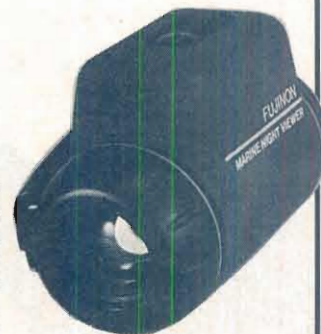
FAST ORANGE™ NATURAL CITRUS HAND CLEANER IS TOUGH ON GRIME, SOFT ON HANDS

Introducing Fast Orange®... the hand cleaner that uses pure, natural CITRUS to remove grime, grease, oil, dirt and more from hands & body. NO harsh solvents, mineral oils or ammonia... just the fresh power of biodegradable citrus. AND, Fast Orange® is soft on hands, too - included in the formula is lanolin, aloe and jojoba oil to condition and soften AS IT CLEANS! Offered in a big, 14-oz. "Pumptainer" for easy dispensing. Order #FO/LOT (smooth lotion formula) or #FO/PUM (pumice added formula), your choice \$5.49. (save: each add'l just \$4.00 each, either formula).



INCREDIBLE NIGHT VISION

Starlight Scope
Intensifies Light
1,000 Times!



The Fujinon **STARLIGHT Night Vision Scope** utilizes an advanced, high-gain hybrid **IMAGE INTENSIFIER** (passive starlight system - requires NO external light source), PLUS has optics with a special night vision EBC coating. The result is amplification of available light more than 1,000 times... for a bright, clear, high resolution electronic image. **TURN NIGHT INTO DAY!** Fujinon engineers have actually achieved image brightness equivalent to far more costly second generation intensifiers in this small, one-tube, hand-held scope. It features an 8mm exit pupil (adjustable eyepiece), an automatic brightness control, an F1.2 maximum aperture and a 1:1 image with 40-degree field of view. When ordering the model with built-in lens (1:1 magnification), the entire unit is waterproof. It runs on 2 AA batteries, measures a small 5" x 3" x 4", and weighs about 1-lb. Warranties are 6 months on the photocathode image intensifier; limited lifetime by Fujinon on the viewer. **LET'S YOU SEE THEM... BUT THEY CAN'T SEE YOU!** Ideal for marine, police, fire, military, security, surveillance, urban patrolling... the applications are endless. Sorry, not for export. Order #NV/FUJ (waterproof model with built-in lens, magnification 1:1), \$2,225.00

OPTIONAL MODEL: You may also order the Fujinon Starlight Scope WITHOUT built-in lens (this model is NOT waterproof). It accepts any "C" mount camera lens, so you can pick the magnification best suited for your application. Order #NV/FUJ-0, \$2,225.00 (You can order 25mm, 50mm or 75mm Fujinon lenses, inquire for price). **NIGHT VISION TERMS OF SALE:** Checks & Money Orders ONLY. No CODs, No credit cards. Money Back Guarantee; Must be returned within ten days of receipt. Shipped UPS only, provide street address.

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For Protection & Surveillance Via Your Telephone Tele-Monitor 2000 lets you discreetly listen in on unusual activities on any premises via the telephone. Small device (5-1/2" x 3-1/2" x 1") plugs into any modular jack. Does not require beeper/pager. Takes just a touch tone phone. Simply call number Tele-Monitor is attached to, access by pushing the correct touch-tone buttons. Once activated, super sensitive mike picks up the most minute of sounds. Monitor computer & printer operations while you're away; use for security to hear any unusual sounds - smoke alarm, surge alarm, cries for help, muffled sounds of burglars at work. Compatible with any American phone exchange. Up to four units can be attached to one phone line, so you can monitor from room to room. Normal phone operations are not affected. American-made, state-of-the-art and priced right for just \$169.00 (additional units \$150.00 each).

MC/Visa & COD orders call toll free 1-800-821-5157

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Item	price
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DISTANT SOUND DETECTOR

**MULTIPLIES SOUND
5000 TIMES**



The VanSleek Farfoen generation of Distant Sound Detectors combines the best features of older models to bring you the most versatile unit yet developed. Utilizes a 3-1/2" built-in parabolic dish with "spider-mount" super-sensitive microphone for Sound Mirror effect, previously found only on larger, more cumbersome sound detectors. VanSleek features handy size (weighs about 2-lbs.), is easy to use in tight places. Made for professional hunters to hear approaching animals at great distance, the VanSleek has been discovered by the security industry. On city terrain, sounds leap across blocks and streets. Solid state-of-the-art circuitry. Sound cut-off. Powered by 6 penlight batteries for increased amplitude. Use VanSleek and enjoy mirrored sound gathering not possible with direct receiver products. Sold world-wide to government, military, police, hunters & fishermen. Discover the range of uses on land and sea; money back guarantee. \$148.00 + \$4.00 shipping.

ered by 6 penlight batteries for increased amplitude. Use VanSleek and enjoy mirrored sound gathering not possible with direct receiver products. Sold world-wide to government, military, police, hunters & fishermen. Discover the range of uses on land and sea; money back guarantee. \$148.00 + \$4.00 shipping.

VOICE CHANGER TELEPHONE



A DIGITAL VOICE CHANGER IS BUILT INTO THIS STANDARD DESKTOP TELEPHONE. Use it to alter your voice when placing or receiving phone calls. The precise and realistic sounding digital voice modification mode lets you change your voice from male to female, female to male, adult to child, child to adult. SIXTEEN DIFFERENT PROGRAMMABLE VOICE MASKING LEVELS! Full feature phone is tone/pulse switchable, has last number redial, is FCC registered and hearing aid compatible. UL & CSA listed. Use as a regular voice phone, or switch to Voice Change Mode (has lighted mode indicator); a unique feature lets you hear your altered voice in the earphone so you can check for desired sound. The Voice Changing Telephone is an ideal security device for women and children home alone; discourages annoying callers; can be used as a pre-screening tool; or use the extreme ranges of the digital processor to create funny cartoon voices. Lesser quality hand-held voice changers run over \$300.00. Our price on this quality Telephone Voice Changer \$89.00 (each add'l \$80.00) each.

to create funny cartoon voices. Lesser quality hand-held voice changers run over \$300.00. Our price on this quality Telephone Voice Changer \$89.00 (each add'l \$80.00) each.

EVERY COMPLAINT DESK NEEDS ONE OF THESE!



Give complainers a real bang for their buck with this Complaint Department Hand Grenade. Hefty 2-lb. World War II style grenade is mounted on an attractive 4" x 6" walnut base. "Take A Number" it urges... perfect for shop, office and home... the ultimate problem solver! Order one for \$22.50; two for \$38.00 (\$19.00 each); four for \$70.00 (\$17.50 each) + \$4.00 shipping per order, any quantity.

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Electronic marvel tapes phone calls automatically. A "no hands" control for connecting cassette recorder to a telephone line, simply connect one cord to cassette recorder & the other cord into ANY modular jack in the house. Set recorder for "record" & whenever a receiver is lifted on any phone on the premises, the recorder will automatically record. When the receiver is hung-up, the recorder automatically stops. Just \$22.50

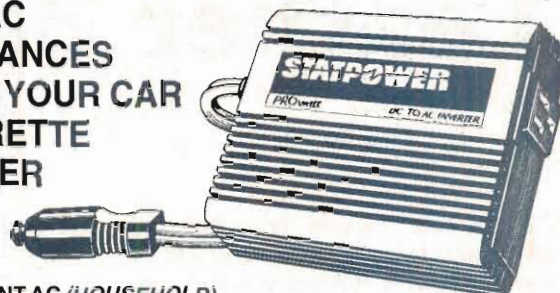
Bug Box



You Need The BUG BOX For Telephone Privacy

Telephone tap detector notifies you of unauthorized intrusion onto your line. Just plug modular phone into tiny BUG BOX, then plug BUG BOX into wall jack. An indicator light tells you when someone is "listening in". BONUS: Attach BUG BOX to every phone in your house, then you, AND ONLY YOU, can access the phone. BUG BOX not only tells you if someone else is on the line, it KEEPS THEM OFF with its privacy shut-out circuit. Buy one BUG BOX and use its indicator light to monitor line intrusion; buy as many BUG BOX's as you have phones and enjoy total privacy shut-out plus visible light indicators. Sale price \$30.00

RUN AC APPLIANCES FROM YOUR CAR CIGARETTE LIGHTER

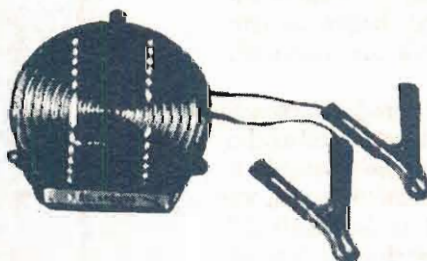


CONVENIENT AC (HOUSEHOLD)

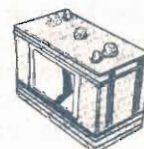
POWER FROM YOUR CAR'S 12-VOLT BATTERY! Now you can run TVs, VCRs, stereos, lights, cameras, recorders, computers & other household appliances in your car or boat! Simply plug PROwatt 125 into the cigarette lighter, and the 12-volt DC current from the battery is changed (inverted) into standard household electricity (115 volt AC). This 2" x 5" x 5" powerhouse produces over 125-watts of continuous electricity. Provides 3 to 5 hours run time if your engine is off; unlimited if engine is running (an alarm sounds if your battery is getting low, and automatically shuts off the unit to preserve battery start power). Solid State design for silent, maintenance free operation; internal circuits protect your appliances from spikes; automatic shutdown/start-up if overheated or overloaded. PROwatt 125 can also deliver 200 watts of power for brief periods and up to 400 watts "surge". For cars, trucks, RVs, boats - the luxury of household appliances when working, camping, during emergencies or "power partying"! One year warranty. Order PROwatt 125, \$139.00.

ALSO AVAILABLE: PROwatt 250, a more powerful unit that delivers 200-watts continuous power; 250-watts for 30 minutes; 300-watts for 10 minutes; and a whopping 500-watts at "surge". Order PROwatt 250, \$199.00

NO MORE DEAD BATTERIES!



Solar Battery Charger



Solar Battery Charger uses FREE energy from the sun to keep 12-volt batteries charged PLUS cleans and regenerates old batteries! Small (5"-dia) but powerful, just clip on battery terminals and let Lexan covered solar cells soak up sunlight & convert to free electricity. Easy to use, waterproof, unaffected by hot/cold extremes & cannot overcharge a battery. Patented process cleans/regenerates batteries with pulsating current to clear deposits from battery plates, allowing electricity making process to continue (not found in other solar chargers). .05 amps at 12.4 volts max; output .6 watts. One year warranty, made in USA. Ideal for garden equipment, tractors, electric fences, cars, boats, RVs, golf carts, remote feeders (can even run small appliances with adaptors). Money back guarantee, order Solargizer for \$49.00 (each add'l \$46.00) Order #GIZE

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Item	price
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KG Products:

Leather Belt Bag Holsters

Staff Report

New black leather variants of the popular, lightweight belt bag concealed carry holsters...

THE KG Products nylon belt bag concealed carry holsters allow the user to safely and effectively hide any common size handgun while at the same time have a convenient zippered carry bag for mace or other defense spray, wallet, jewelry, money and other items.

The 420 denier nylon belt bags come in a variety of subdued and bright colors (solid black, navy blue or grey, or two-tone with colored panels — red, electric blue, fuchsia, neon yellow, grey, hot pink, navy blue or maroon) and fits waist sizes to 46 (special sizes made to order at no extra charge) and fit anything from .22 and .25 caliber handguns up to the larger .44s and .45s. A hook and loop closure system, backed up by a brass snap, ensure secured concealed carry and rapid retrieval of the weapon when needed. Right- or left-hand opening models are available (same price).

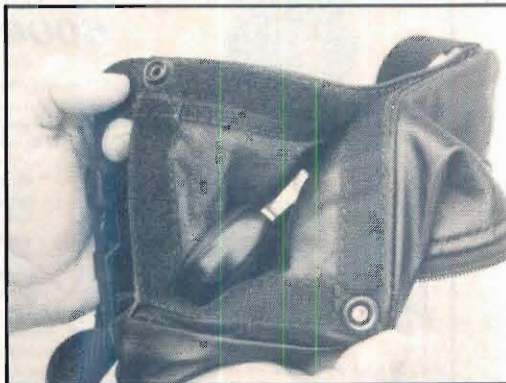
Now KG Products is producing black leather belt bag holsters as well as the nylon models, and in the same sizes.

The nylon bags come in sizes #1 through #5. Size #1 is for small .22 and .25 autos and derringers. Size #2 is for 2-inch barrel S&W RB J-frame, PPK, PPK/S, Colt Gvmt. .380s, Starfire 9 mm and most stun guns. Size #3 will hold Ruger SP101, 2½-inch S&W K-frame, S&W 6900, 3913, 4516, 4013, Star PD, Colt Officer's ACP, Glock 19. Size #4 is for Colt Commander, Ruger P85, SIG 226, Beretta 92 compact, Taurus compact, S&W 39 & 59, Glock 17, Browning HP and most 3-inch RB revolvers. Size #5, the largest bag, will carry a full size 1911 style auto, Beretta 92, most 4-inch service revolvers up to a 4-inch S&W N-frame.

Size #1 nylon bag is \$14.95/leather is \$29.95. Size #2 nylon is \$19.95/leather is \$39.95. Size #3 nylon is \$24.95/leather is \$49.95. Size #4 nylon is \$24.95/leather is \$49.95. Size #5 nylon is \$29.95. Add \$3.50 shipping and handling for each order. CA residents add 7.25 percent sales tax. Order from KG Products, Dept. ASG, P.O. Box 1555-A, Inyokern, CA 93527; (619) 377-3292 or toll free (800) 944-7717. ●



The size #1 belt bag holster in black leather.



The gun is secured in the rear hide-out compartment with hook and loop closure backed up by a brass snap.



Right- or left-hand opening belt bag holsters are available for the same price in each size available.



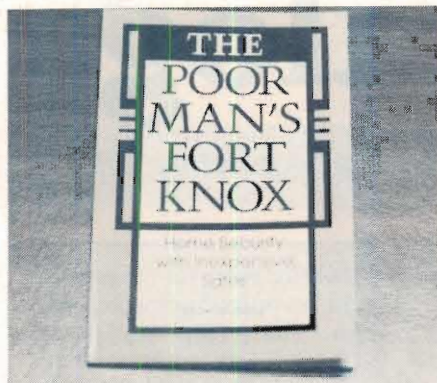
Zippered front pocket holds other items.



Fastex type buckle on belt. Belt sizes up to size 46 available with special sizes made on request at no extra charge.

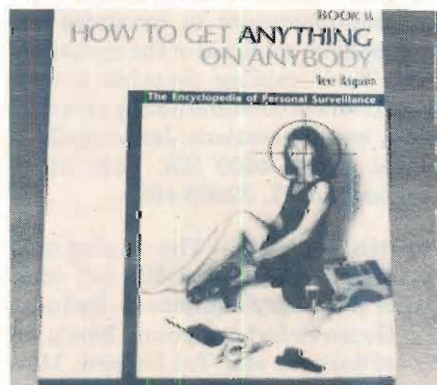
BOOKS/VIDEOS

(Continued from page 11)



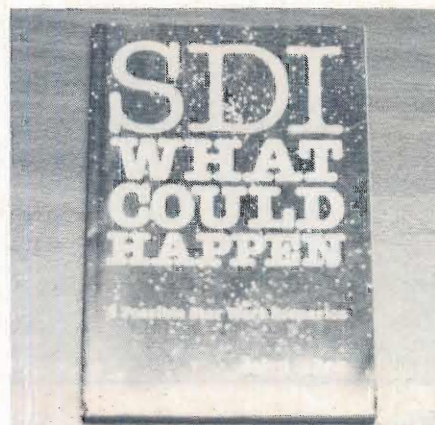
The Poor Man's Fort Knox, Home Security with Inexpensive Safes, by Duncan Long. Paladin Press, P.O. Box 1307, Dept. ASG, Boulder, CO 80306; (800) 392-2400. Softcover, 48 pages. \$10 plus \$4 shipping and handling.

With banks and credit unions closing every day, and government restrictions increasing on what we can and can't own, you're better off taking personal security into your own hands and utilizing alternative, private methods for safeguarding your valuables. That's where home safes come in. Duncan Long shows you: the secret of finding top-of-the-line safes at bargain-base prices; dirt-cheap alternatives to safes; the best custom safes designed specifically for firearms; the most secure fireproof location in any home; tricks for making burglars ignore your safe altogether. Your property is too important to put at the mercy of incompetent and corrupt business and government "officials." Learn how to safeguard your valuables without scrutiny, red tape, or interference, and enjoy the peace of mind of having control over your own life.



How To Get Anything On Anybody, by Lee Lapin. Paladin Press, P.O. Box 1307, Dept. ASG, Boulder, CO 80306; (800) 392-2400. Softcover, 232 pages. \$35 plus \$4 shipping.

Charles Jaco, of CNN News calls this the "Best book on surveillance and investigations I've seen. Really scary stuff." This long awaited follow-up to the best-selling original volume takes you through a gold mine of never before published tricks and techniques of intelligence collection culled from the FBI, CIA, engineers, computer hackers, PIs, dedicated researchers and others. You'll learn how to read computer screens from a distance, look or listen through solid walls, dig out unlisted phone numbers, bypass computer passwords and assemble a complete dossier on anyone from the comfort of your own living room. Plus, get the very latest on police intelligence kits, state-of-the-art electronic gear, spy conventions, surveillance schools and much more. Includes more than 200 suppliers of exotic electronic equipment. Fascinating and informative.



SDI. What Could Happen, 8 Possible Star Wars Scenarios, by John Rhea. High Country Enterprise, P.O. Box 1663, Dept. ASG, Montrose, Colorado 81401; (800) 932-6888. Softcover, 136 pages. \$7.95 plus \$4 shipping and handling.

The Strategic Defense Initiative — known as SDI or, popularly, as Star Wars — is an attempt to use advanced technology to remove the greatest threat to the human race in its existence: nuclear war. At present, SDI is a research program aimed at finding out whether the technology is adequate to the task. It is not a Buck Rogers scheme that uses lasers in space to blast enemy missiles. The research may eventually lead to something like that, but there are many other possible solutions to the basic problem of what was labeled three decades ago the "thermonuclear balance of terror." An interesting look at eight scenarios illustrating how SDI could be deployed and used to defend against the terrible destruction of nuclear war. ●

1992 DYNAMIT NOBEL CATALOG



11TH EDITION NOW AVAILABLE

Our new 52-page "Precision Products" Catalog offers the largest selection of Precision-Built RWS DIANA and RWS GAMO Airguns. A complete selection of High-Quality RWS Pellets, Scopes, and Airgun Accessories.

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Access to Supplies:

Survival Catalogs

By Scott Stoddard

A directory of suppliers and the survival gear they offer...



THE tools for survival range from simple, scavenged items found in nature like a sharp flint rock, to the most sophisticated technological wonders like night vision goggles capable of magnifying starlight on moonless nights. Tools provide food, help keep us warm, and protect us against the threats and dangers of a modern world. Tools empower us, ennoble us, and their very existence signals hope. Through the skillful use of tools man makes his life more comfortable and life becomes less of a struggle...

This directory contains a listing of some of the better known companies that deal in survival products. The catalogs are grouped in categories for easier access. There are a few companies included that offer a wide range of products and although they are only listed once, they might fit into several categories.

AIRGUNS:

Beeman Precision Arms — The Beeman airgun catalog features some very fine airguns, but more importantly, it contains some excellent information about airguns. Learn about pest elimination, pest chasing, plinking, and pellet designs. Beeman Precision Arms Inc., 3440 Airway Drive, Santa Rosa, CA 95403-2040; (707) 578-7900.

Crosman Air Guns — New for '92 is the 1008 Repeat Air, an 8-shot .177 pistol that is CO2 powered. Another model of interest is the 1389 Backpacker that features a detachable stock. Crosman Air Guns, Rts. 5 & 20, E. Bloomfield, NY 14443; (800) 828-1495.

Dynamit Nobel-RWS — The RWS Diana series of airguns are well known for their power with the magnum rifles spewing pellets at over 1,000 feet per second. The Gamo line offers a less expensive model for the beginner. Catalog is \$3. Dynamit Nobel-RWS Inc., 105 Stonehurst Court, Northvale, NJ 07647

Midwest Sport Distributors — You can't miss with prices like these. Chinese-made spring action air rifles that are remarkably accurate from \$32 to \$49. Midwest Sport Distributors, Inc., Lucky Street, Box 129k, Fayette, MO 65248; (800) 248-5128.

ARCHERY, CROSSBOWS:

Barnett Crossbows — One of the world's leading crossbow manufacturers, the new Barnett catalog features their unique line of recurve and compound crossbows and accessories such as scopes, cases, quivers and more. Barnett International, Inc. P.O. Box 934, Odessa, FL 33556; (813) 920-2241.

Bear Archery — The full-color catalog contains 46 pages jam-packed with archery equipment, some information on bowhunting and its protection against the anti-s, and also insights on Fred Bear who passed away in 1988. Bear Archery Inc., 4600 S.W. 41st Blvd., Gainesville, FL 32608-4999.

Horton Crossbows — Check out their

new automatic crossbow cocking mechanism that runs on NiCad batteries. Wide assortment of hunting and target crossbows. Horton Manufacturing Company, Inc., 1325 Waterloo Road Suffield, OH 44260; (216) 628-9213.

Jennings Compound Bows — Tom Jennings is known as Mr. Compound Bow, and was one of the first major archery manufacturers to recognize the tremendous potential of the compound bow. Their catalog contains a wide assortment of bows and accessories with many new innovations. Jennings Compound Bows, 4600 S.W. 41st Blvd., Gainesville, FL 32608-4999.

Martin Archery — The catalog sells for \$4, but it contains 108 full color pages of archery equipment. Includes the Gronzo Safari compound bow used by hunter/rock star Ted Nugent. Martin Archery, Rt. 5, Box 127, Walla Walla, WA 99362.

BOOKS, PUBLICATIONS:

Alpha Publications — The \$1 catalog



contains books on firearms, knives, self defense, investigations, exotic weapons, Martial Arts, surveillance, low profile living, disguises, guerrilla warfare and more. Alpha Publications of Ohio, P.O. Box 308, Sharon Center, OH 44274

Butokukai — A leading supplier of manuals for full-auto conversions and homemade suppressors. Also carries S.W.A.T. magazines and other survival publications. Catalog \$1. Butokukai, P.O. Box 430, Cornville, AZ 86325

Delta Press — 88 pages full of military books, CIA manuals, survival, homemade weaponry, improvised munitions and self defense. Also posters, bumper stickers, ID kits, pins and patches. Catalog is \$3. Delta Press, P.O. Box 1625, 215 S. Washington Street, El Dorado, AR 71731; (800) 852-4445.

High Country Enterprise — An excellent source for wilderness survival books. Other subjects include: emergency preparedness, food preparation, medical, gardening, and the Basic Essentials Series. Send \$3 to: High Country Enterprise, P.O. Box 1663, Montrose, CO 81401; (800) 932-6888.

Loompanics Unlimited — Loompanics describes itself as an important source for anarchists, survivalists, iconoclasts, self-liberators, mercenaries, investigators, drop-outs, researchers, and just about anyone interested in the strange, the useful, or the arcane. You might want this delivered to your P.O. box or through a mail forwarding service. Loompanics Unlimited, P.O. Box

1197, Port Townsend, WA 98368.

Survival Books — The \$3 catalog contains thousands of survival related publications, plus foods and gear. Don't miss this one! 11106 Magnolia Blvd., N. Hollywood, CA 91601-3810; (818) 763-0804.

Paladin Press — "The Publishers of the Action Library" feature a 50 page catalog with books on revenge, espionage and investigation, new identity, weapons, explosives, and many other survival topics. Another must-have catalog. Send \$1 to: Paladin Press, P.O. Box 1307, Boulder, CO 80306; (303) 443-7250.

Universal Force Dynamics — Military books on survival, knife fighting and Martial Arts. Universal Force Dynamics, 410 Delaware, Leavenworth, KS 66048. (913) 682-6518.

World Survival Institute — Chris and Gretchen Janowsky founded the World Survival Institute up in Alaska and produce survival videos that are excellent. Write for a list of their video titles. World Survival Institute, Box 394, Tok, Alaska 99780; (907) 883-4243.

CAMPING, OUTDOOR CLOTHING:

Cabela's — Their claim of being the world's foremost outfitter of fishing, hunting and outdoor gear may or may not be true, but their full color, 200 plus page catalog sure has everything you'll ever need for a wilderness trip. Great

selection on camouflage clothing. Cabela's, 812-13th Ave., Sidney, NE 69160; (800) 237-4444.

Campmor — Campmor stocks major brands of camping equipment: JanSport, Woolrich, The North Face, Eureka, Kelty and more. Finding the proper clothing and shelter for any season and weather condition is easy in these 104 newsprint pages. Campmor, 810 Route 17 North, P.O. Box 998, Paramus, NJ 07653-0997; (800) 526-4784.

Gohn Bros. — Amish and plain clothing, Hudson Bay "Point" wool blankets, down comforters, sewing supplies and yard goods to make sturdy, serviceable clothing. Good prices on fur felt and straw hats. Gohn Bros., Box 111, 105 South Main, Middlebury, IN 46540-0111; (219) 825-2400.

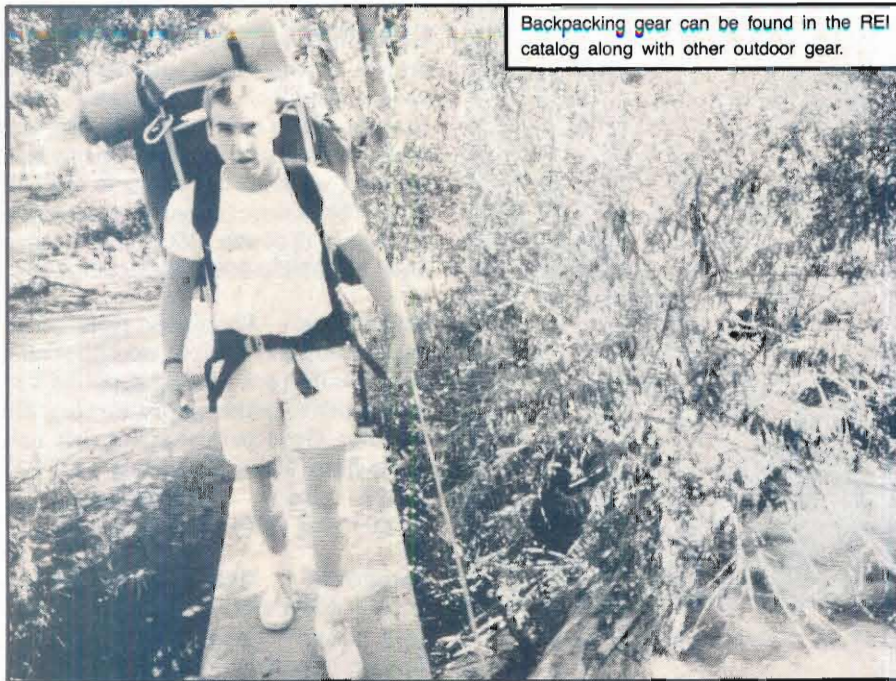
Patagonia — Maker of some of the finest outdoor clothing available. They have pioneered the use of synthetic fleece, pile, and now have come out with stretch Capilene underwear that works by wicking away perspiration before it gets the chance to cool you down. Their clothing is made especially for backpackers, climbers, skiers, fisherman, sailors, and other outdoors people. Patagonia Mail Order, Inc., 1609 W. Babcock Street, P.O. Box 8900, Bozeman, MT 59715.

Peak 1/Coleman — Peak 1 is Coleman's line of backpacking equipment. The stoves are first class and some models can use multiple fuels. The Peak 1 lantern is small but puts out a lot of light. Packs and sleeping bags are also available. The Coleman Company, Inc., 250 N. St. Francis, P.O. Box 2931, Wichita, KS 67201; (800) 835-3278.

The North Face — Famous for their expedition tents and goose down sleeping bags, the North Face continues its tradition of making top quality outdoor gear. Expedition clothing, packs, skiwear, and more. The North Face, 999 Harrison Street, Berkeley, CA 94710.

Recreational Equipment Inc., (REI) — REI was founded over 50 years ago as a co-op for Seattle-area climbers who wanted reliable gear at reasonable prices. To become a lifetime member it's only \$10, but anyone can take advantage of their vast selection of outdoor equipment. Climbing, clothing, kayaking, skiing, mountain bikes and camping supplies. Recreational Equipment Inc., P.O. Box 88125, Seattle, WA 98138-2125; (800) 426-4840.

Survival Catalogs



Backpacking gear can be found in the REI catalog along with other outdoor gear.

ENERGY SYSTEMS:

China Diesel Imports — Diesel Generators can provide your family with a dependable, economic power source for daily or emergency use. Write to: China Diesel Imports, 15749 Lyons Valley Road, Jamul, CA 91935; (619) 669-1995.

Integral Energy Systems — State-of-the-art information and products including solar-electric, micro-hydropower, solar pumping, emergency power systems, batteries, inverters, low-voltage lighting, solar hot water, propane appliances and more. For 100 page catalog send \$5 to: Integral Energy Systems, 109 Argall Way, Nevada City, CA 95959; (800) 735-6790.

Real Goods — A very "green" company with many of the products and energy systems every concerned environmentalist or pragmatic survivalist should have. Solar panels, batteries, inverters, wind machines, hydro-electric, along with energy efficient lighting, propane refrigerators and Sun-Mar composting toilets. Real Goods Trading Corporation, 966 Mazzoni Street, Ukiah, CA 95482; (800) 762-7325.

Photocomm, Inc. — One of the nation's largest suppliers of solar electric equipment, Photocomm Power Systems is based in Arizona. Their catalog sells for a hefty \$7.50, but it's more than a cata-

log of solar products — it's a design guide loaded with information on solar systems. You'll find Kyocera solar cells, Trace inverters, solar tracking systems and more. Photocomm, Inc., 7681 East Gray Road, Scottsdale, AZ 85260; (800) 223-9580.

FOOD STORAGE, WATER PURIFICATION, SURVIVAL SUPPLIES:

Emergency Essentials — Whether it be an earthquake, flood, tornado, or hurricane, this catalog has the supplies and products you'll need to get through rough times. 72 hour kits, food storage, water storage, radios, tents, sleeping bags. Large selection of vitamins and food supplements. Emergency Essentials, Inc., 352 North State Street, Orem, UT 84057; (800) 999-1863.

Emergency Systems — First aid and medical kits with top quality items included. Kits range in size from small personal backpacker units to large expedition units, and come in specialties such as boating, traveler, airplane, cycling and equestrian kits. Survival kits contain real Victorinox Swiss Army Knives, Mag Lite flashlights, Skyblazer flares and more. Emergency Systems, 1716 W. Main, Suite 8A, Bozeman, MT 59715; (406) 587-5571.

Katadyn U.S.A. — Manufactured in Switzerland for over half a century, the

Katadyn water filter is based on a proven and simple mechanical principle of micro-filtration utilizing a ceramic filter element with a pore size of 0.2 microns. Every survivalist should have at least the Pocket Filter model. Katadyn U.S.A. Inc., 3020 North Scottsdale Road, Scottsdale, AZ 85251; (602) 990-3131.

Lehman's Non-Electric Catalog — Every survivalist should own this catalog! Lehman Hardware is located in the heart of Amish country and supplies the community with many "outdated" and "obsolete" products that were probably used by our grandparents when electricity was still a novelty. You'll find gasoline-powered washers, James Handwasher, nonelectric lights, wood and coal heating stoves, cast iron kettles, water pumps, blacksmith tools and the finest carving chisels. \$2. Lehman's, P.O. Box 41, 4779 Kidron Road, Kidron, OH 44636; (216) 857-5441.

NITRO-PAK Preparedness Center — A service oriented company that guarantees customer satisfaction. Their 84 page catalog is packed with hundreds of items to insure your survival and self sufficiency. Everything from emergency lighting, cooking, heating, signalling, to food rations, MREs, low moisture storage foods, to bulk grains and water storage barrels. Large library of books and videos. Send \$3 to: NITRO-PAK Preparedness Center, 13309 Rosecrans Ave., Santa Fe Springs, CA 90670; (310) 802-0099.

Survival Center — Over 600 items in this survival products catalog. Wilderness supplies, water purification, food preservation, homesteading, hunting, sanitation, underground shelters and equipment. Send \$2 to: The Survival Center, P.O. Box 234, Dept. 129, McKenna, WA 98558; (800) 321-2900.

GARDENING, SEED COMPANIES:

Abundant Life Seed Foundation — This non-profit corporation is dedicated to the work of preserving traditional food plants and genetic diversity. Many of the seeds available were used by Native American Indians. Varieties here are not hybrids, so it is possible to save seeds for the next year's crop. Amaranth, Quinoa, Epazote, beans, dry corns, hot peppers, sunflowers, toma-



Camouflage clothing, web gear and military surplus can be found in the catalogs of Major Surplus, Sierra Supply, and Ruvel's.

toes, etc. Abundant Life Seed Foundation, P.O. Box 772, Port Townsend, WA 98368.

Bountiful Gardens — This 60 plus page catalog features over 230 untreated, open-pollinated seeds; green manure cover crops; seed planning guides; and some of the best books and supplies for organic gardeners. Bountiful Gardens, 19550 Walker Road, Willets, CA 95490.

Native Seeds/SEARCH — Another nonprofit organization, this one focuses on the traditional native crops and their wild relatives in the U.S. southwest and the northwest of Mexico. Crops of this region are not only delicious and nutritious but better adapted to the harsh environments of the low hot deserts and dry rocky uplands. Catalog \$1. Native Seeds/SEARCH, 2509 N. Campbell Ave. #325, Tucson, AZ 85719.

ELECTRONICS, SECURITY, SURVEILLANCE:

Ace Communications — Ace is one of the largest AOR scanner suppliers in the United States. Excellent prices. Ace Communications, 10707 E. 106th St., Indianapolis, IN 46256.

Berk International — Security products for you and your loved ones. You'll find low-cost products such as personal shrill alarms, security bars, door-knob alarms, dead bolt security locks, infrared detector systems, and more. Berk International, P.O. Box 5294, Garden Grove, CA 92645; (714) 898-8648.

C. Crane Co. — Directional antennas, AM/FM radios, world band radios, short wave antennas, Uniden Bearcat scanners, and scanner antennas. Good list of books on radio monitoring with frequency listings. C. Crane Company, 147 Watson Lane, Fortuna, CA 95540.

Guardian Personal Security Products — Billed as "America's best non-lethal personal security, police and privacy protection products," Guardian's \$3 catalog has some interesting stuff. Stun guns, BodyGuard pepper spray, BearGuard deterrent and the new Pneu-gun, a baton-like instrument that fires a blast of CO2 propelling a shot-bag with a muzzle velocity of over 175 feet per second. Guardian, 22444 North 19th Avenue, Phoenix, AZ 85027; (800) 527-4434.

Heads Up! — Tests kits are available to determine the purity of your drinking water, test water for lead or nitrates. Other kits test for radon gas in your home. Detectors for carbon monoxide and passive cigarette smoke. Alarms for residential propane or natural gas leaks. Also carries emergency signal smoke cartridges. Heads Up! Products Company, P.O. Box 3126, Evansville, IN 47731-3126; (800) 726-3379.

ICOM America, Inc. — Manufacturers of the largest line of general communication receivers and scanners. ICOM will sell you their latest products or direct you to a retailer in your area. ICOM America, Inc. 116th Ave. N.E., Bellevue, WA 98004.

Phoenix Systems — A good source for

booby trap alarms, perimeter alarms, illuminating flares, trip wire, electric fuses, etc. Send \$2 for catalog to: Phoenix Systems, P.O. Box 3339, Evergreen, CO 80439; (303) 674-2653.

Sherwood Communications Associates Ltd. — Sherwood is the Sears and Roebuck of surveillance. They stock a complete line of video goodies, many of which they have brought into the country themselves or modified to be more effective. Transmitters, extended play recorders, special cabling, extremely sensitive microphones, pin-hole lenses, etc. Sherwood, Box 535, Southampton, PA 18966.

STANO Components — Manufacturers of quality crime-prevention and counterterrorism equipment for law enforcement agencies and U.S. allies throughout the world. Starlight scopes, night vision goggles, photographic and video gear — some available to the public. Send \$4 for product line (no charge if requested on agency or governmental letterhead). STANO Components, P.O. Box 2048, Carson City, NV 89702; (702) 246-5283.

Steve Arnold's Gunroom — Lost your keys? Can't get in? This \$2 catalog has a complete line of professional locksmithing tools and manuals. Steve Arnold's Gunroom, P.O. Box 68, Dexter, OR 97431; (503) 726-6360.

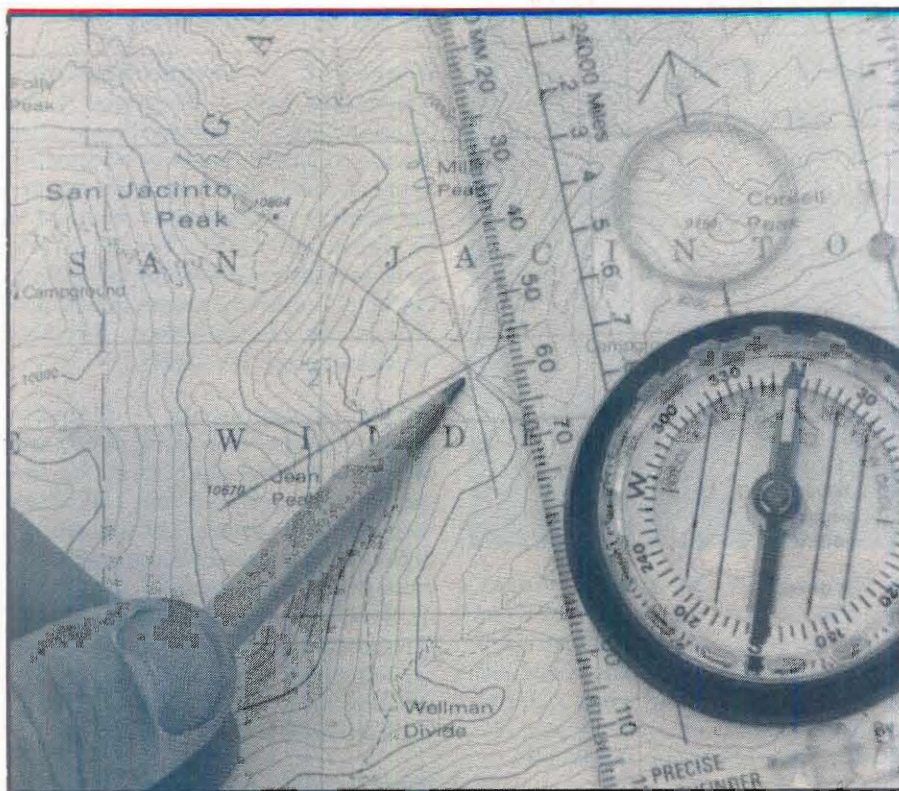
MILITARY, POLICE, SURPLUS:

Bianchi International — Bianchi holsters and personal load bearing equipment are well known by members of law enforcement and the military. Their full color catalog provides plenty of information. Bianchi makes holsters for just about any type of handgun and situation there is. \$3. Bianchi International, 100 Calle Cortez, Temecula, CA 92390; (800) 477-8545.

Brigade Quartermasters — One of the best catalogs for outdoor action gear. You'll find military knives, ASAT camouflage clothing, packs and camping equipment. Over 90 pages of color crammed with survival outdoor products. \$3. Brigade Quartermasters, LTD., 1025 Cobb International Blvd., Kennesaw, GA 30144-4300; (800) 338-4327.

The DutchGuard by Mail — DutchGuard offers a variety of unique surplus products. Their sound detector multiplies sound 5,000 times. Also carry a digital voice changer telephone, port-

Survival Catalogs



Brigade Quartermasters, U.S. Cavalry, and REI carry high quality compasses for backcountry navigation.

able electric power supply, and other hard to find items. DutchGuard, P.O. Box 411687, Kansas City, MO 64141; (800) 821-5157.

Major Surplus and Survival — This new company has taken over the mailing list of Survival Inc. (SI). Besides military surplus gear, they feature camping supplies, emergency kits and gear, MREs and food storage units from 72 hour kits to specially tailored year's supplies including freeze dried and low moisture foods. Also a large library of survival books. Major Surplus and Survival, 435 W. Alondra, Gardena, CA 90248; (800) 441-8855.

Ruvel & Co., Inc. — A large selection of U.S. government and military surplus and mil-spec gear. Check ASG's classified ads. Catalog \$2. Ruvel & Co. Inc., 4128-30 W. Belmont Ave., Chicago, IL 60641; (312) 286-9494.

Sierra Supply — You can't beat the prices, selection, and service offered by the folks at Sierra Supply. M-1 Garand, M-14/M1A accessories; magazines for .45 Auto Colt, M-16/AR15, Mini 14; cleaning kits, G.I. issue weapon slings, lensatic tritium compasses, Kevlar helmets, books, manuals and more.

Good prices on MREs. Catalog \$1. Sierra Supply, P.O. Box 1390, Durango, CO 81302; (303) 259-1822.

ShomerTec — Good selection of low end surveillance and countermeasures gear including a nice infinity transmitter plus tear gas, flare alarms, weapons, survival gear and lock picking equipment. Showmer-Tec, P.O. Box 2039, Bellingham, WA 98227; (206) 733-6214.

Shooting Systems — For rifle cases, slings, holsters, gear bags, and packs, try Shooting Systems. The \$2 catalog has a full line of items to accent the shooting sports. Shooting Systems Group, Inc., 1075 Headquarters Park, Fenton, MO 63026; (314) 343-3575 or (800) 325-3049.

U.S. Cavalry — 116 color pages of some of the world's finest military and adventure equipment. One of the few companies that carries the new U.S. approved three-color desert camouflage pattern in both daylight and night BDUs. Bomber jackets, boots, knives, rappel gear, police and SWAT stuff, flashlights, binoculars, web gear and security products. U.S. Cavalry, 2855 Centennial Ave., Radcliff, KY 40160-40160-9000; (800) 777-7732. ●

Hell-Fire 10/22

(Continued from page 22)



When firing, the trigger finger is rocked back and forth between the trigger and counter-trigger lever.

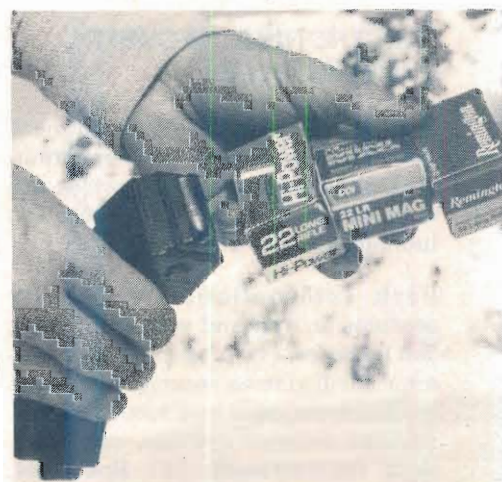
shell casings spewing from the ejection port at a time.

This can be done firing from the hip and from the shoulder. And although you don't have the same control over the firearm you would have if you were actually firing a machine gun, it's the next best thing to a real machine gun and a lot of fun.

One problem we experienced was that after repeated firing, the 10/22 tends to become dirty from all the unburned powder residue which accumulates in firing rimfire ammunition and the rifle tends to jam more often as you shoot more rounds.

For best results, your 10/22 should be clean before using the HFS 22 and you may need to clean it during your firing session for optimum performance. You should also use high velocity round nose ammo.

The Hell-Fire HFS 22 is \$19.95 each postpaid from Hell-Fire Systems, Inc., Dept. ASG, P.O. Box 549, Olathe, CO 81425; order only phone (302) 249-2694. ●



For best results use high velocity .22 LR ammunition.

Berk International:

Window/Door Alarm & Lock Bar

Staff Evaluation

BERK International's Security Alarm & Lock Bar for sliding glass doorways and windows combines entry detection with entry prevention.

The mere sight of this portable, adjustable, heavy gauge steel bar in a window and glass door track is often enough to deter unwanted entry.

Fitted snugly inside a sliding glass door or window track, the Security Alarm & Lock Bar prevents the window or door from being forced open. It installs in seconds and requires no tools. There are two models available. Both are adjustable and expand to fit flush against a door or window so they cannot be moved. Vinyl end caps provide a tight grip and prevent scratching of the door or window frame. It can be taken along on trips for use in hotels, motels or other temporary lodgings.

This device is an improvement over the common dowel dropped in the door or window track. Operating on 4 C-cell batteries, the bar sets off a piercing 90 decibel alarm if someone tries to force the door or window against which it is lodged. A bright white light also flashes continually, along with the pulsating alarm until the test/reset button is pushed once to turn them off.

We installed the smaller white window model (catalog number 6350; 1 $\frac{5}{8}$ inches thick by 15 $\frac{1}{2}$ inches long; weight: 1 $\frac{3}{4}$ pounds) in a sliding glass bedroom window. The installation allowed the window to be opened a few inches.

When we attempted to force the window open further, the bar blocked this and the alarm was set off and sounded, along with the flashing light, until the test/reset button was pushed to turn them off. The alarm is very loud, and at night, the flashing light can easily be seen for quite a distance. This would surely alert anyone in the area to an intrusion attempt.

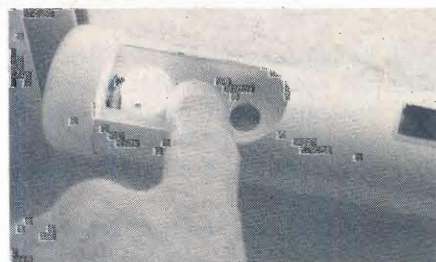
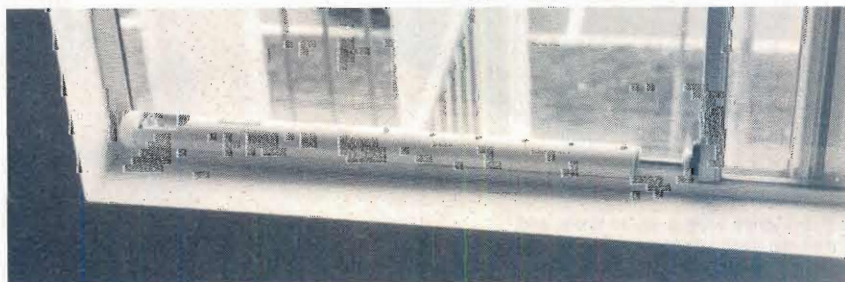
Our test white window model is \$18.95 plus \$3.99 shipping and handling. A larger white patio door model (1 $\frac{5}{8}$ inches thick by 25 inches long and weighing 2 $\frac{1}{2}$ pounds; catalog num-



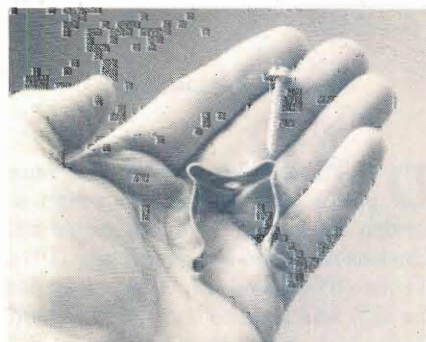
The Security Alarm & Lock Bar in its blister package comes complete with detailed instructions and mounting hardware.



The device operates with four C-cell batteries (not included).



When pressure is applied against the end of the bar by trying to force the window open, the piercing 90 decibel alarm is sounded and a flashing light is activated. These are turned off by pressing the test/reset button.



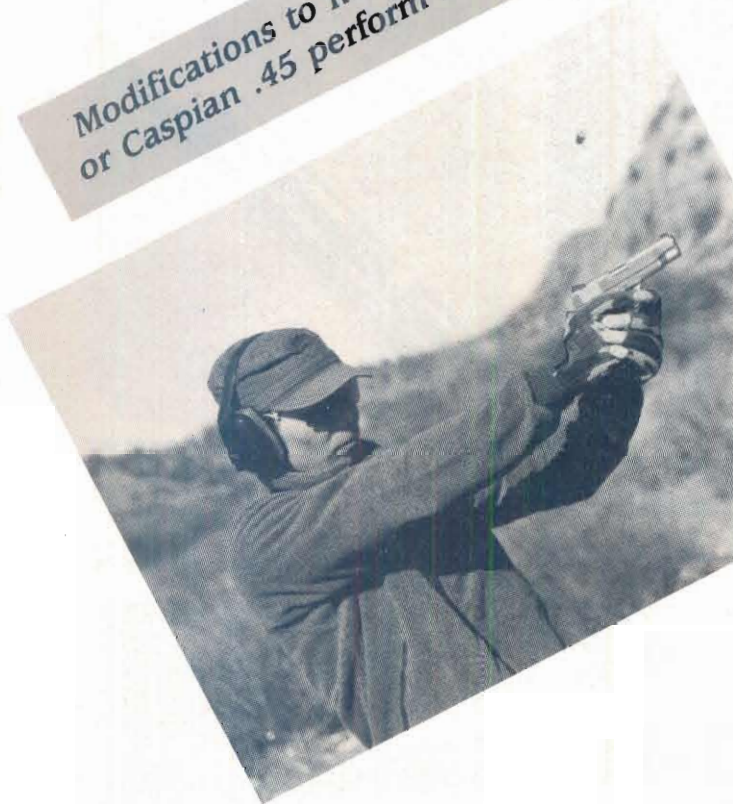
A mounting bracket supplied with the device.

ber 6351) is \$20.50 plus \$3.99 shipping and handling. Both bars can be purchased with a single shipping and handling charge of \$5.99. Check or

money orders only. Order from Berk International, Dept. ASG, P.O. Box 5294, Garden Grove, CA 92645; phone (714) 893-8648; fax (714) 893-1211. ●

Custom Combat .45s

Modifications to make your Springfield, Colt or Caspian .45 perform like a match pistol...



The D & L guns were a joy to shoot and delivered the best accuracy we've ever seen in these type of pistols.

Staff Evaluation

DAVE Lauck is a veteran, full-time police officer with 15 years of service. He is also a custom gunsmith who has modified handguns and rifles of police SWAT and sniper teams across the U.S. and around the world as well as for U.S. Army Special Forces and FBI personnel.

Lauck's company, D & L Sports of Gillette, Wyoming, does mail order custom gunsmithing work on Colt, Springfield Armory and Caspian Arms .45

D&L Sports:



The D & L customized and accurized Colt Combat Commander, left, and Springfield 1911A1.

Results of fast firing from 12 yards with different loads.



ACP handguns and AR-15 rifles. The different options available from him are illustrated in his 25-page catalog available for \$4 (D & L Sports, P.O. Box 651, Gillette, WY 82717; phone (307-686-4008).

We were recently loaned a couple of deluxe customized .45s belonging to Lauck's customers for evaluation. Each of these guns — a Colt Combat Commander and a Springfield Armory 1911A1 — was originally a stock pistol with blue finish. Each was modified with what D & L offers as a "Deluxe Street Package" for \$675 per gun, plus each gun had additional accurizing

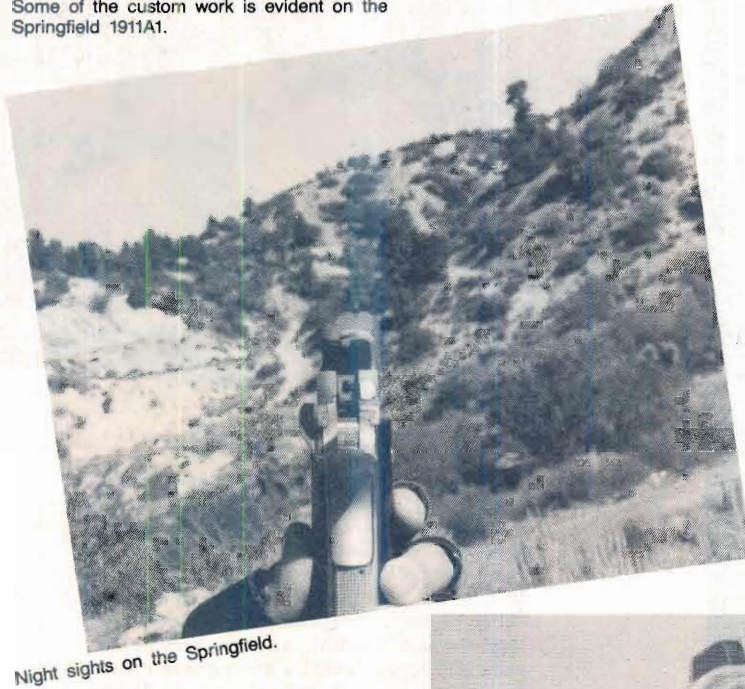
extras offered by D & L including custom grips, Barstow Match barrels, and night sights for the Springfield.

The Deluxe Street Package includes a hard chrome finish, throating and polishing the barrels, installation of Commander-style hammers, new Novak low profile concealed carry sights (on the Colt), an extended thumb safety, trigger job (match trigger and honed parts, pull reduced to 4 to 4.5 pounds), a funnelled (beveled) magazine well (for faster loading), extended ejector and lowered and flared ejection port for more efficient case ejection.

Additionally, all springs in the gun



Some of the custom work is evident on the Springfield 1911A1.



Night sights on the Springfield.



Reliability package includes replacing standard collet bushing with a solid bushing.

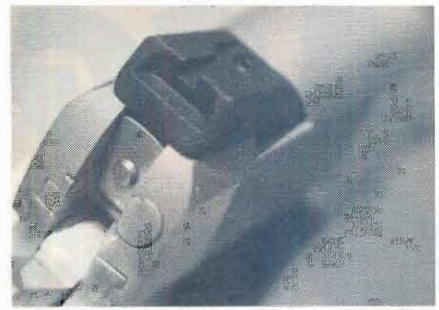
are replaced and the new ones "tuned" for the type of load or loads the owner desires to shoot in the gun. A solid barrel bushing is also installed. This eliminates the possibility of the stock collet bushing breaking during firing, which can cause a malfunction and damage the gun. Besides the solid barrel bushing there is also a new full length guide rod installed. This assists in overall smooth operation. Lastly, a beaver tail grip safety is installed to eliminate hammer bite.

D & L offers a basic street package, which includes much of the internal reliability work described above, for

\$345 per gun.

We test fired these guns with Winchester Silvertips, Remington 185-grain jacketed hollow points and Federal Match hardball 230-grain .45 ACP ammunition. We were supplied with targets from D & L showing groups of 1-inch or less fired from our test guns with these loads from a Ransom rest at 25 yards.

Our own test firing, slow and fast aimed fire from a standing position from about 10 to 12 yards produced impressive accuracy as well. These guns are the most accurate we've ever seen with these type of pistols.



Novak low profile concealed carry sights on the Commander.

A holster for the guns available from D & L.



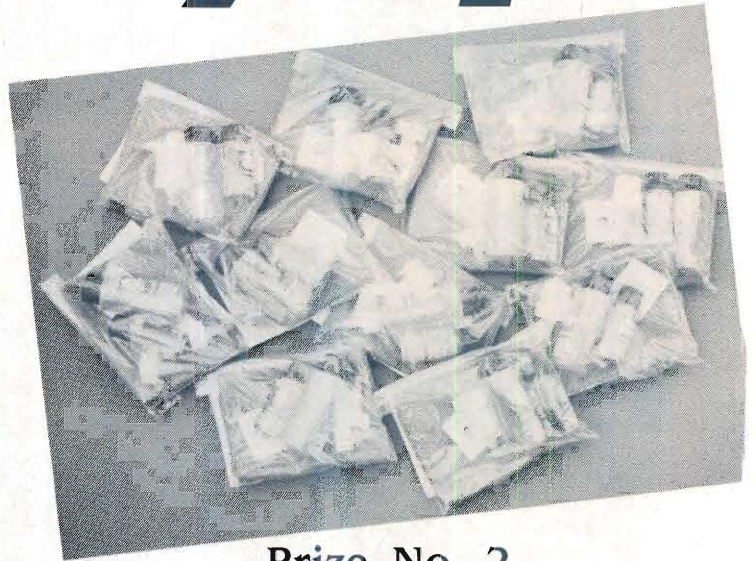
All during test firing with all ammunition there was not one jam or other malfunction of any type experienced with either gun. The sights are excellent and these guns are smooth and very comfortable to shoot.

Each gun, with all the customizing work on it, is valued at approximately \$1,500. We can see why.

If you desire a top-notch reliability and accurizing package for your Springfield, Colt or Caspian .45 or would like to know more about the other custom gunsmithing work available from D & L, contact them for more information. ●

ASG 1992 Giveaway No. 1

Fill out the accompanying coupon, and include payment with subscription orders or current subscription extensions. All ASG 1992 Giveaway No. 1 entries should be printed or typewritten on the official coupon, or a reasonable facsimile from this magazine. A facsimile entry is acceptable and valid, as long as it contains information required with the subscription or extension order/entry form. The ASG Giveaway is open to any resident of the United States. Federal law requires that only U.S. citizens are eligible to receive a firearm prize. The prize winner must not be legally restricted from receiving or possessing a firearm. This contest offer is void where prohibited by law. Employees of McMullen & Yee Publishing and its subsidiaries or subordinate agencies, agents and members of their immediate families, are not eligible to enter the contest. There is a **LIMIT OF ONE ENTRY PER PERSON** for this contest. Duplicate and/or multiple-copy entries, when detected, will be disqualified and discarded. The prize winner will be selected in a random drawing of the coupons submitted for this contest. The drawing will be conducted at 2 p.m. April 30, 1991. Entries received after April 29, 1992 at 4 p.m. will be invalidated and discarded, though subscription orders will be honored by McMullen & Yee Publishing. The prize winner will be notified by telephone and/or mail within one week of the drawing. The firearm prize winner will be required to arrange with a local federally licensed firearms dealer to accept delivery of the prize. The winner will be required by the firearms dealer accepting the prize to fill out all necessary federal, state and/or local firearm purchase and/or transfer forms. To receive this prize, the winner must meet **ALL** federal, state and/or local requirements for firearms ownership. The winner must be 18 years of age or older. **NO EXCEPTIONS.**



Prize No. 2

A quantity of 36 Gunny Ragg Combo Packs. Gunny Ragg Products 1027 Elk Street, P.O. Box 2696, Dept. ASG, Rock Springs, WY 82902; (307) 362-7626. Each combo pack contains a two ounce bottle of "Gunny Ragg PTO" penetrating oil type powder solvent containing Teflon. Gunny PTO works well with 0000 steel wool for lead removal. Another item in the pack is "Gunny Ragg" a 100 percent cotton flannel rag impregnated with a light Teflon bearing solution. A one ounce bottle of "Gunny Lube," a high-quality petroleum based oil with Teflon, is also included and is ideal for keeping blueing rust free. Each combo pack comes in a resealable plastic bag that will fit in any small gear bag or case. Retail value is \$225.

NAME _____

ADDRESS _____

CITY _____

STATE _____

ZIP _____

AGE (Optional) _____

OCCUPATION (Optional) _____

TELEPHONE NUMBER (Optional) _____

LIMIT: ONE ENTRY PER PERSON

☐ Enter me in ASG's 1992 Giveaway No. 1 and record my new subscription at \$26.95 for 12 issues. Payment is enclosed. ☐ Bill me.

☐ Enter me in ASG's 1992 Giveaway No. 1 and extend my current subscription at the renewal rate of \$24.95 for 12 additional issues. Payment is enclosed.

☐ Enter me in ASG's 1992 Giveaway No. 1. I do not wish to order a subscription.

The recipient of this prize must be a citizen of the United States and must be 18 years or older. The recipient must be legally able to receive and possess this firearm. Proof of residency and age may be required.

Include the words: **ASG 1992 Giveaway No. 1** on your entry envelope, please!

Mail this coupon to:

AMERICAN SURVIVAL GUIDE 1992 Giveaway No. 1
2145 W. La Palma Ave., Anaheim, CA 92801

McMullen & Yee Publishing, Inc., accepts no responsibility, and refuses any and all liability for mishap and/or injury that may arise or result from any use whatsoever of this prize after it is awarded to the winner and transferred to the winner from McMullen & Yee Publishing, Inc., or other firm, company or contest donor agency.

Prize No. 1

The MBK-9HPC semiautomatic pistol from K.B.I., Inc., Dept. ASG, P.O. Box 6346, Harrisburg, PA 17112; (717) 540-8518; fax (717) 540-8567. Made in Hungary by FEG and imported by K.B.I., this handsome and compact recoil-operated handgun has a design based on the world renowned Browning Hi-Power semiautomatic pistol but with important improvements. Most particularly, it is a double-action semiautomatic pistol with a slide mounted safety decocker which safely lowers the hammer on a live round in the chamber while at the same time blocking contact between hammer and firing pin. Introduced in the U.S. in 1991, this gun is all steel except for the hand checkered walnut grips and has a blue finish. Magazine capacity is 14 rounds. Sights are a fixed U-notch rear and front blade. Sight radius is about 6 inches. Weight is 35 ounces with empty magazine. Overall length is 7½ inches. Barrel is 4 inches. Height is 5½ inches. Width is about 1½ inches. Includes gun, two magazines, cleaning rod and owners manual. Retail value: \$400.



Prize No. 3, 4

Prize No. 3 is the Recon Scout combat knife from Special Projects, a division of Cold Steel (for information, a free Special Project catalog or orders call toll free 1-800-255-4922). A superb new combat bowie, the big, tough, razor sharp and versatile Recon Scout has identical Carbon V steel, heat treatment and construction to the world-famous Cold Steel Trail Master, but with a handsome baked-on, non-reflective black epoxy coating and high cantled (upward curving) edge buffed to a keen sharpness. U.S. and allied troops carried the Recon Scout during Operation Desert Storm. Weight: 15 ounces. Overall length: 12.5 inches. Blade: 7 inches long, 1.25 inches thick. Handle, black checkered Kraton rubber. Full tang is 5/16 inch thick.

Comes with handsome, ambidextrous black nylon sheath suitable for belt or web gear. Value: \$130. Prize No. 4 is the Mamba 7-L, a lighter, more compact version of the original Mamba combat knife from Blackjack Knives (Dept. ASG, 1307 W. Wabash Ave., Effingham, IL 62401; 217-347-7700). The Model 7-L was developed after hundreds of requests for a smaller version of the famous Mamba. The construction of the full tang knife is 400 series high carbon stainless steel at 55-57 Rockwell. Hand ground convex edge is razor sharp and easy to maintain. Overall length is 13 inches. Blade is 3/16 inch thick and 7 inches long. Weight: 12.2 ounces. Handle is black Kraton rubber. Comes with high quality black Hunter Leather sheath. Value: \$80.



Prize No. 6

72 Hour Waist-Pak with Solar Dynamo AM/FM radio. NITRO-PAK Preparedness Center, 13309 Rosecrans Ave., Dept. ASG, Santa Fe Springs, CA 90670; (800) 866-4876 or (213) 802-2635. Designed for easy carrying of survival supplies in the event of evacuation or disaster. Provides one person with important items for three days including food and water. Contents include: 2400K ration bar, nine water pouches, emergency space blanket, poncho, flashlight, first aid kit, survival candy, 15 function knife, heat packs, tissue packs, wet wipes, refuse bags and a Solar Dynamo AM/FM radio. Retail value is \$64.95.



Prize No. 5

Four Belt Bag Holsters from KG Products (Dept. ASG, P.O. Box 1555-A, Inyokern, CA 93527; 619-377-3292 or toll free 1-800-944-7717). Included are one #3 size black leather holster (\$49.95—will hold Ruger SP 101, 2½" S&W K frame, S&W 6900, 3913, 4516, 4015, Star PD, Colt Officers ACP, Glock 19), two #2 size nylon holsters — black and fuchsia and gray and electric blue — (\$19.95 each, will hold 2" S&W RB J frame, PPK, PPKS, Colt Gvt. 380, STARFIRE 9mm and most stun

guns), and one solid navy color #4 size nylon (\$24.95, will hold Colt Commander, Ruger P85, SIG 226, Beretta 92 Compact, Taurus Compact, S&W 39 & 59, Glock 17, Browning HP and most 3" RB revolvers). The Belt Bag Holster allows you to carry concealed anytime, anywhere (check on legality in your area—you may need a license to carry concealed). You can carry your money, valuables, MACE, Stun gun or a handgun in the false back. Grab and rip open the Velcro and snap closure for instant access. Carry other items in the zippered front pockets. Total value of this prize: \$115.



By Jim Watkins

Wilderness Skills:

Netcrafting

The net provides a silent and reliable means to put food on the table...



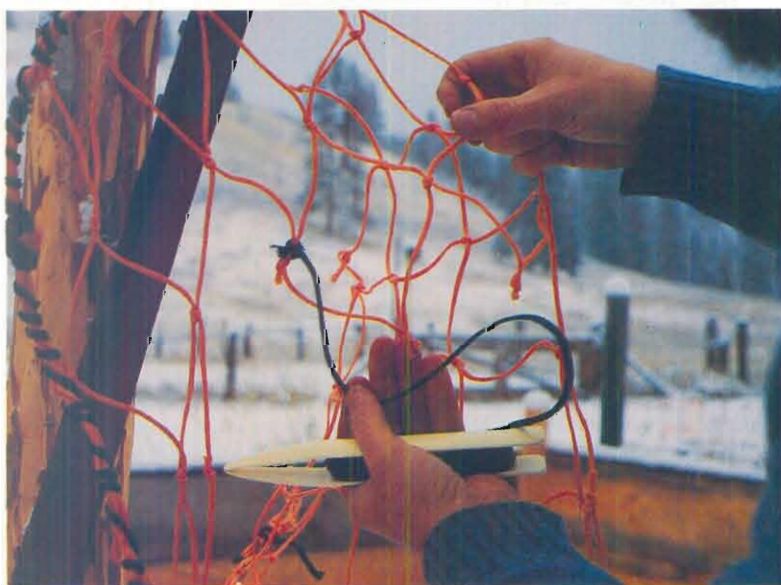
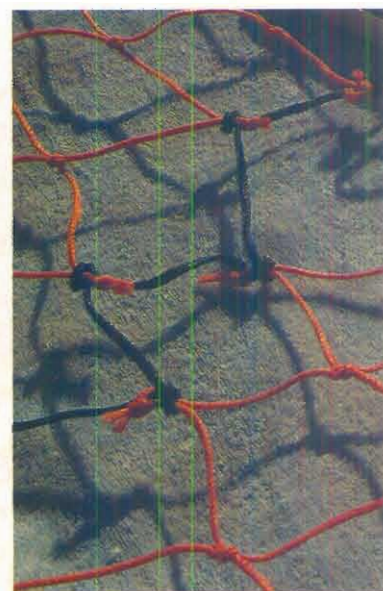
In net repair, always grasp the web with the left hand and hold the base of the shuttle with the right hand while sewing.

SEWING web into a workable fishing net or trap by hand remains a dying art practiced by a few American Indians, commercial fishermen, and hobbyists in our Western culture. Very few books instruct the subject in detail and there's only a couple of accredited schools that currently teach the craft. This is truly a skill which normally requires two years at sea with hands-on experience to learn.

I graduated from Northwest Trawl

School and learned a valuable survival skill; once you learn this knowledge it's possible to construct various types of fish nets and traps, live-game snares, camouflage canopies, garden fencing, and even the base frame for an emergency shelter roof. The family survival potential of this thousands-of-year-old art would be an asset to outdoor relating people.

From the foraging for food aspect, the net provides a reliable and silent



Start and finish a net repair problem on a three-bar.

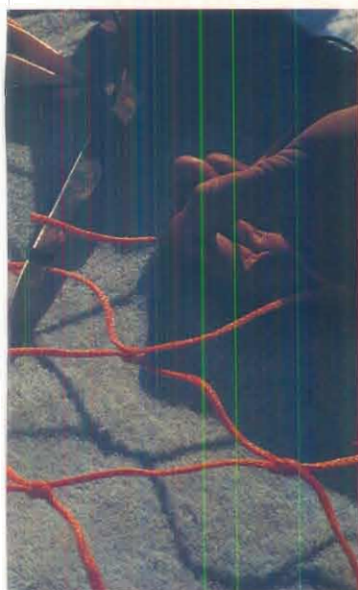
to consider, and it's definitely inhumane to needlessly leave an ensnared animal to die because of failure to check a trap.

Fish nets include gill, seine, cast and landing nets, crab and shrimp pots, and turtle traps. Each tool functions with a specific purpose. Please note that all of these foraging tools can be purchased commercially, and I highly recommend Netcraft Company, 2800 Tremainville Road, Toledo, OH 43613. This reputable firm offers an excellent supply of manufactured nets, and web sewing kits and materials. Also, *Fisherman's Knots and Nets*, by Graumont and Wenstrom, Maritime Press, is one of the few books available on this subject.

The basic rules of netcrafting are universal. Like any trade there are tools to use properly, knots and the var-

ious components of the net to learn, plus serious disciplines to follow. This situation applies to both new web fabrication and torn net repair. It's also impossible to do more than explain the few basic steps of the art in this article. Nevertheless, let's begin with the simple tools of the net maker's trade.

The sailor's shuttle or needle is simply designed to hold a complement of sewing twine, this depending upon the tool size and twine diameter required for the job. Bonded nylon twine offers the best netcrafting material. It, importantly, prevents knot slippage. The material is available in many sizes; for instance, cast nets are made from #5-42 lb. test line, landing nets use #9 or #12, and turtle traps require strong #18 twine. An example of a simple 4½-foot radius bait-cast net requires ¾" square mesh and a ¼ lb.

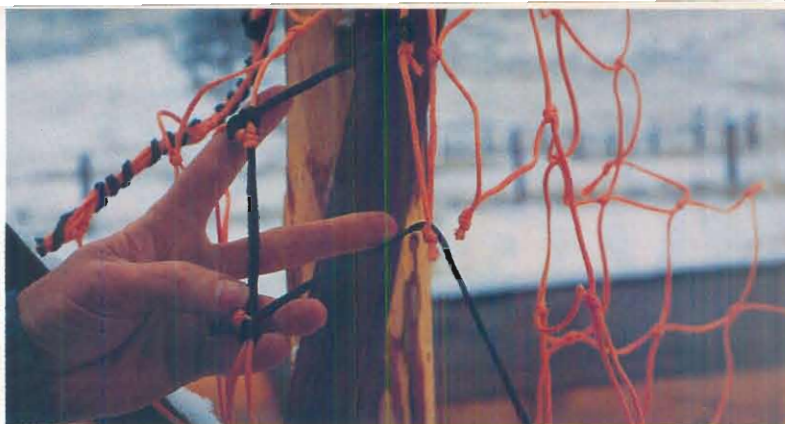


You must cut the second bar down, if the situation demands this when tying into a sider.

of twine. The simple rule here is to utilize the line with strength enough for a specific purpose.

The problems involved with sewing web are interrelated whether you manufacture a new net, or repair torn webbing, and the mathematical condition of net paneling can best be understood as meshes wide and meshes deep. This means a square mesh measurement; however, net panels can also be oblong, tapered and hooped in shape. For simplicity of purpose and a beginning look at netcraft we will only work with square web repair and sewing new netting. When discussing the how-to and hands-on learning part of this subject, it's important to know the terminology of a net's webbing. In fact the whole fabric of the net is called web, but each diamond section is termed a mesh. Each mesh has four bars, and interlinks with its neighbor

From the sider there is a pick-up knot to be tied. The knot is similar to the mesh knot.



with tightly sewn knots. The basic mesh knot fulfills the only stitch necessary to sew a body of new webbing; however, there's also sider and pick-up knots involved in repair work. The important thing to remember is to cinch those knots tightly because a sloppy net won't fish properly.

When you handle a wad of netting it appears to be a maze of interlocking twine, seemingly without beginning or end, and definitely tangle prone. However, each part of the net has a purpose, and because the average beginning net fisherman usually starts with a commercially made net we will first deal with simple web repair problems.

Repair Work — Repairing a nasty tear in the middle of a gill net can be a confusing situation, especially if you're green at the trade. Therefore, these five golden rules are extremely important to memorize. First: Always start and end sewing on a three-bar, a torn section where three individual bars meet in a perpendicular configuration. Second: Never sew on any other connected bar in the hole. Third: In order to avoid rule two always cut the second

bar down. Fourth: After tying a sider knot is there a pickup? Fifth: After a pickup you must sew up to the mesh above. These rules will help prevent you from getting lost or making a mistake while solving a net problem. Never sew on any other connected bar in the hole. Third: In order to avoid rule two always cut the second bar down. Fourth: After tying a sider knot is there a pickup? Fifth: After a pickup you must sew up to the mesh above. These rules will help prevent you from getting lost or making a mistake while solving a net problem.

Now, before tackling any web repair situation, it's best to hang the net so the meshes lay straight and the hole can be easily worked on. If this is done correctly the knots will align and webbing open and close in a lengthwise manner.

It's crucial to not start sewing crooked or cross mesh. To prevent this it's important to tie the net to a pole or hang every other mesh on a nail so the repair section can be pulled toward your body. Then the proper way to start sewing is to grasp the shuttle with the right hand, and handle the webbing with the left hand. This rule of thumb

(Continued on page 64)

This photo has a good example of the sider knot, generally used for repair work.



Outdoor Skills:

Making Jerky

In a long-term power outage we better all know how to make jerky. . .



Be sure to remove as much fat as possible from the meat.

By Scott Stoddard

MANY prepared families rely on a freezer full of meat, be it venison, elk steaks, or large quantities of beef to supplement food budgets throughout the year. However, in a prolonged power outage, that gold mine of protein could be wasted unless steps are taken to preserve the meat from spoilage.

Before ice boxes were invented man was preserving meat using the power of the sun, or that of a fire, to slowly dry pieces of thinly cut animal flesh. Smoke was used to discourage insects, and sometimes salt and a few other seasonings were sprinkled on for flavor, but normally the meat was simply dried with no other embellishments.

Cowboys on the trail drives or those working large spreads usually only ate two meals a day — breakfast and supper. They supplemented lunch with biscuits or corn cakes that the cook had left over, and with their favorite item — beef jerky. The following recipe, obtained from an old timer in Montana, has been used for over 150 years.

Marinate the beef strips in soy sauce or red wine. This tenderizes the meat and gives it more flavor.

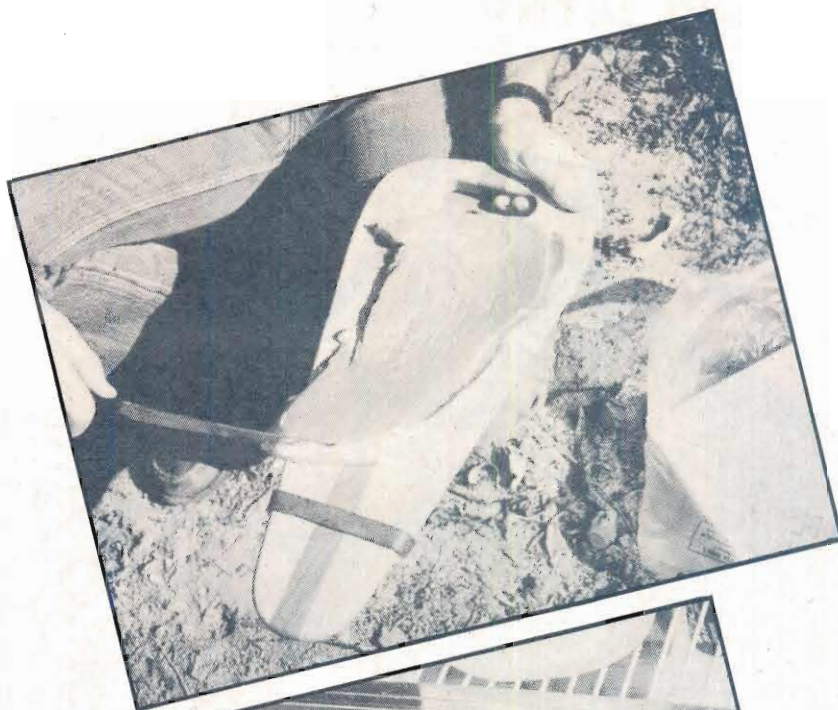
"Dry beef; cut in strips as long as you can. It's best to cut against the grain. Cut strips about 1" so the meat will dry quickly. Cut off as much fat as you can. Sprinkle each piece of meat with salt and pepper and a small amount of chili powder. You can hang the strips of meat in a dry place or on wire lines. It's best if you have a full sun, but a shed or a smokehouse will do fine.

"Do not hang where jerky has a tendency to draw dampness. Just be sure the jerky does not get wet. When the jerky looks and feels like old shoe leather, remove from its drying place and store in flour sacks or large jars. Sometimes it might have a little mold on it when it ages, but a little vinegar and water will remove the mold and it's just as good to eat."

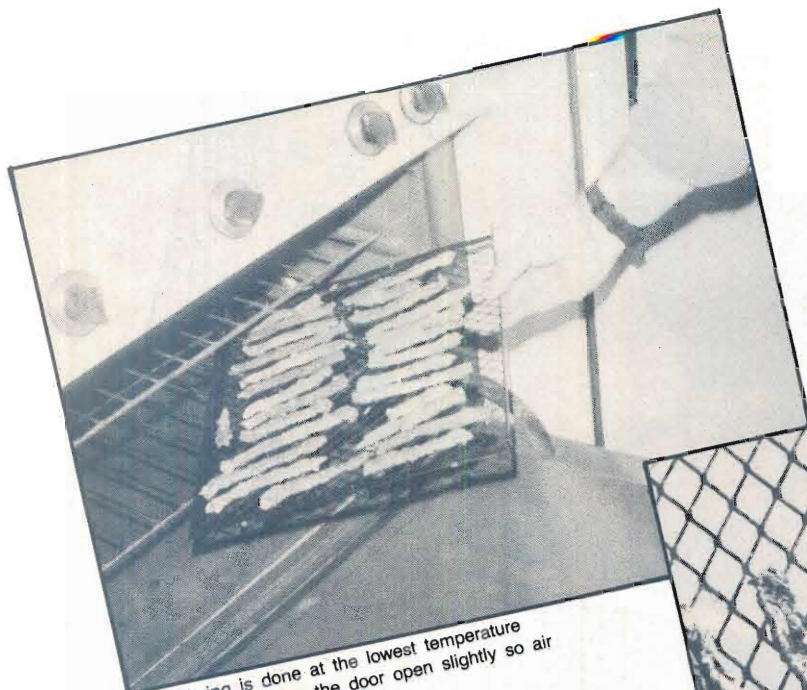
Other meat besides beef can be dried to make jerky. Lamb, goat, deer, elk, moose, bear, and even squirrel.

Small animals and birds can be dried whole. A ground squirrel is a good

A tripod is used to dry the meat in full sun with a fire of hardwood chips. Smoke keeps away flies also.

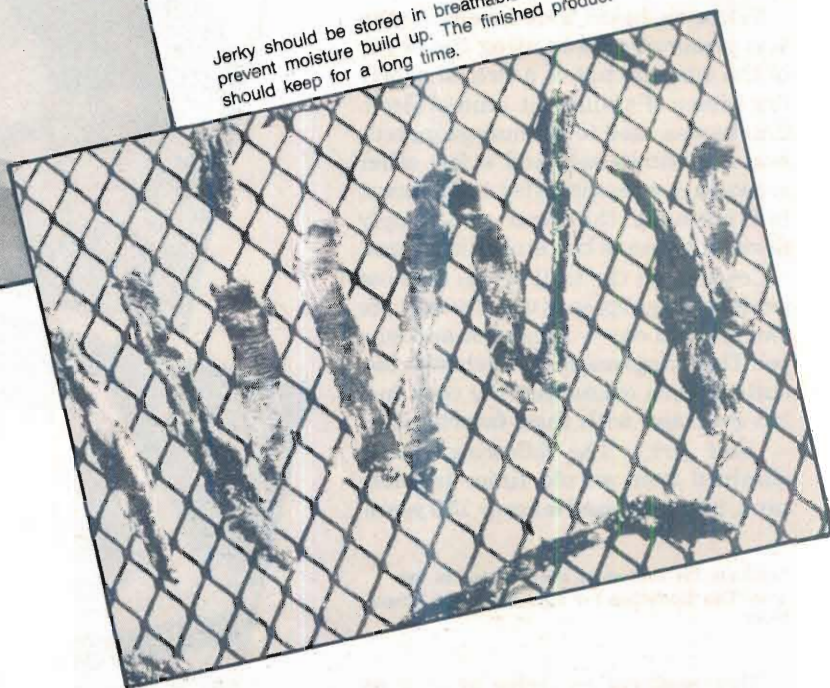


Making Jerky



Oven drying is done at the lowest temperature (140 F.) setting. Prop the door open slightly so air can circulate.

Jerky should be stored in breathable containers to prevent moisture build up. The finished product should keep for a long time.



example. After skinning and cleaning out the entrails, crack the back between the legs and insert a stick to hold open the body cavity. Then lay the animal on a flat rock to dry. After the squirrel is thoroughly dried, pound it with a rock until the bones are crushed. Another day in the sun will dry the marrow and ensure preservation.

Rabbit meat and fresh water fish may contain parasites which if ingested, could be fatal. Always thoroughly cook the jerky made from these sources. Chicken also needs to be thoroughly cooked before drying. Drying toughens chicken meat so much that even after an hour of soaking you can hardly chew it. Better to buy freeze-dried diced chicken from Rich-Moor than to hassle with poultry meats.

In Alaska where salmon is plentiful, the natives dry it and smoke it for future use. The World Survival Institute has an excellent video that shows this process. Contact: World Survival Institute, Box 394, Tok, Alaska 99780; (907) 883-4243.

When drying meat outside, insects can become a problem. Using mosquito netting will help but this normally is not available. A fire using hardwoods can be burnt down to a bed of coals and then damp chips of hickory, apple or cherry (for the best flavor) can be

added to create the smoke. Avoid using green leaves or wet rubbish to make smoke — these sources contain essential oils which will make the meat taste terrible or render it inedible. Also don't use soft woods such as pine for the fire or your meat will taste like pine pitch or turpentine.

Another way to flavor your jerky is to marinate it for at least 12 hours — two days if possible. The benefit of using a marinade is that it tenderizes the meat. The acid in the soy sauce or the wine, the main ingredients in the two recipes that follow, breaks down the tissues of the meat. These marinade recipes come from the book, *The Hungry Hiker's Book of Good Cooking*, by Gretchen McHugh, published by Alfred A Knopf, Inc.

Soy Sauce Marinade

For 2 pounds of lean beef:

- 2 tablespoons soy sauce
- ¼ teaspoon salt
- 2 drops of Tabasco, or cayenne pepper to taste
- Ground pepper
- 1 fresh clove garlic, minced

Mix the marinade ingredients, put the thinly sliced meat in the mixture, and refrigerate for at least 12 hours. Dry in oven at low (140 degrees) temperature leaving the oven door slightly ajar for 6 to 8 hours, or when the jerky snaps in two when you bend it.

Wine Marinade

For 2 pounds of lean beef (chuck, round or sirloin):

- ½ cup red wine
- 1 tablespoon red wine vinegar
- 1 tablespoon olive oil
- 2 fresh cloves garlic, minced
- 2 tablespoons minced onion
- 1 bay leaf
- Ground pepper
- Pinch each of thyme, oregano, and marjoram

Mix ingredients, add meat slices and marinate in refrigerator for preferably two days. Dry the meat the same way as shown above.

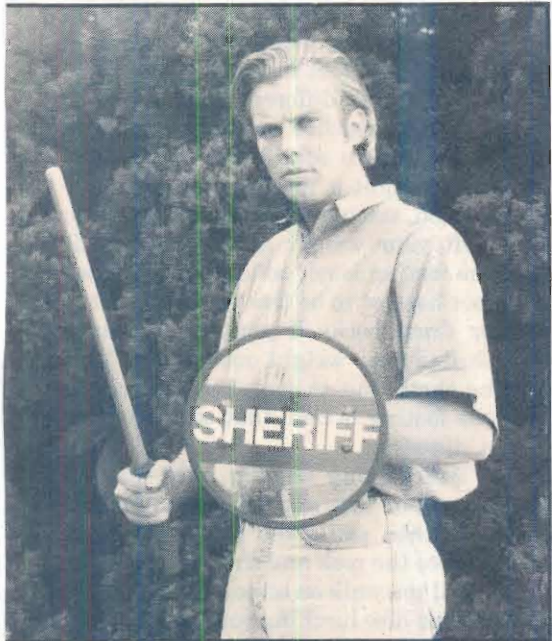
The beef jerky that you buy in the store has additional spices, chemicals and preservatives that make it a great snack food, but a terrible trail food. I've noticed that altitude sickness comes a lot faster after eating store bought jerky! By making your own jerky, you can control the flavor ingredients and still have a nutritious, lightweight emergency food that man has been using for thousands of years. ●

D Max:

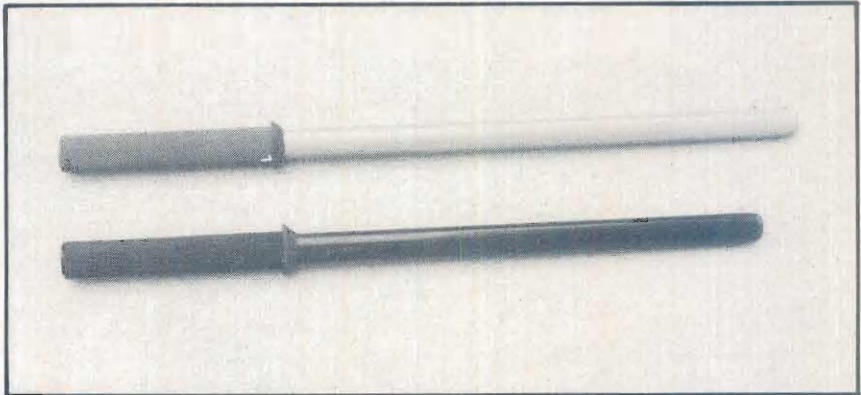
Phenolic resin-impregnated wood law enforcement tools

Lightweight Police Batons

require less training than side-handle type...

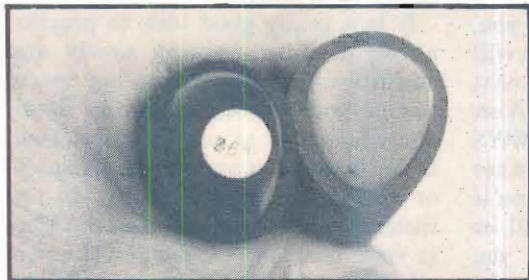


The D Max straight (no side handle) police batons are lightweight and comfortable to hold and wield.

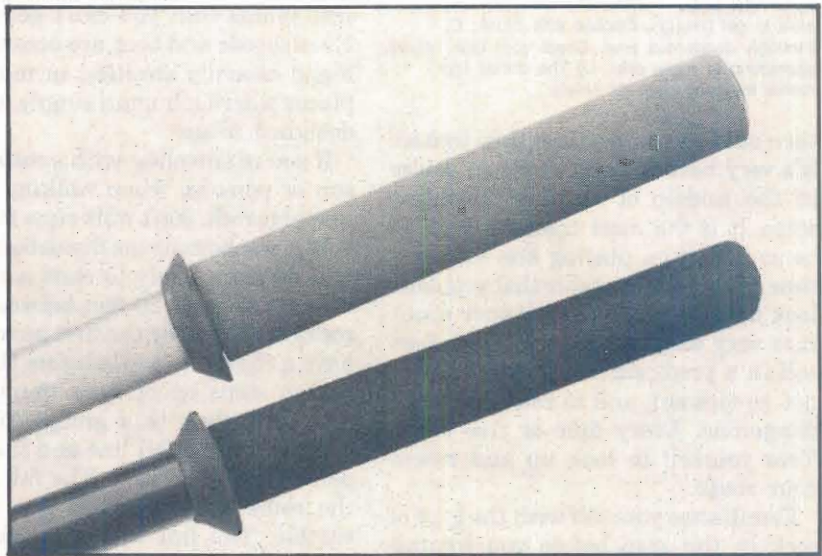


The 24-inch model in black and the 26-inch model in ash finish. Both weigh just 17 ounces (black model is denser).

The batons have weather-resistant foam cell handles with hard rubber ring stops.



The ergonomic cross sectional shape of the batons.



Staff Report

BATONS are a common tool of law enforcement and security personnel.

The side-handle or tonfa-type baton is widely used by people in these lines of work today but requires a considerable amount of training to be effectively wielded.

D Max Company, a Division of Ultra Tech, Inc., is now producing a new straight police baton available in a wide variety of sizes from 12 inches up to riot-size models of 4 and 5 feet long. These lightweight, phenolic resin-

impregnated wood product batons come in three finishes: black, ash and walnut wood grain. Phenolic is a polyester or epoxy type synthetic resin which is very strong when it hardens. The batons have weather-resistant and shock absorbing foam cell handles with hard rubber ring stops for a sure, non-slip hold under all conditions.

The batons are impervious to water and resistant to oils and solvents, will not conduct electricity and are resistant to fire and heat.

The cross sectional shape of these batons is a sort of rounded triangular, which is ergonomic, fitting comfortably and firmly in the hands and makes

the batons easier to wield.

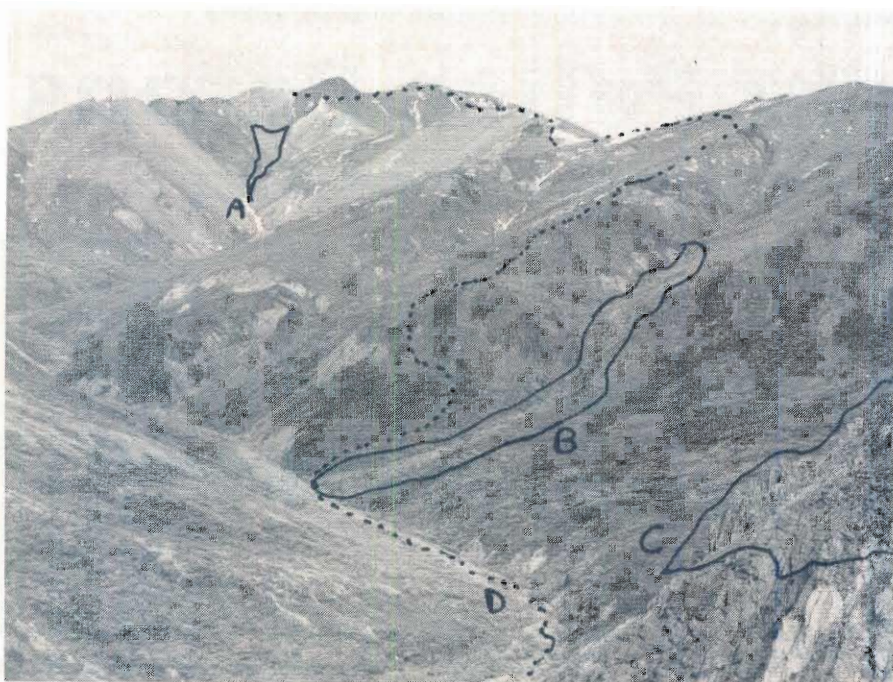
Standard sizes are 24, 26, 28 and 30 inches but D Max also makes a 12-inch model for detectives as well as the larger riot sizes. Prices are \$1 per inch of length.

Developed by a police self-defense instructor, the batons were available for sale to law enforcement and security agencies and personnel late last year. They have been approved by law enforcement agencies in several states.

For more information contact D Max Company, Ultra Tech, Inc., Dept. ASG, 17700 147th Street S.E., Building G, Monroe, WA 98272; phone (206) 794-7754; fax (206) 794-6505. ●

Mountain Travel

(Continued from page 27)



A) Danger area — avalanche chute; B) Difficult area to get through. Choked with brush; C) Probably dangerous area. Check rock type before attempting to move over; D) The dotted line marks the best route for safety.

turn out to be worse than they looked. It's very hard to re-route when you're in the middle of an acre of sliding scree. It is the most common fault to be so intent on placing one foot at a time on something stable that you don't look up at the long view of your route. It is very easy to suddenly find yourself in a predicament where you cannot go forward, and to retreat is very dangerous. Every four or five steps, force yourself to look up and assess your route.

Familiarize yourself with the type of rock in the area before you commit yourself to a route — especially if it involves climbing up any rock outcrops. If it's good solid granite, you're in good shape but nothing is more dismaying than to lunge desperately for a handhold and have it crumble off in your hand as your feet flail on top of a newly born avalanche.

On any mountain where there are wild sheep or goats (or domestic ones that are roaming wild) you will see distinct trails worn into the mountainside. These look inviting as safe, easy routes. Don't be a sucker! These critters can go places no human can. Following their trails can lead you

Dall sheep. They have many trails worn in the mountainside that lead to places it would be fatal for a human to follow.

into places that you can't get out of. Even moose and bear are occasionally found casually strolling in mountain places where a human simply was not designed to go.

If you're traveling with another person or persons, when walking across unstable rock, don't walk close together — this compounds the disturbance and will be more likely to start a slide. If there is at least 20 feet between you, rocks disturbed by the first person will have a chance to settle before the next person steps on or near them. Also, when traveling in a group, ALWAYS be aware of the fall line and the other person's relation to it. The fall line is the route an object will free fall or tumble. The fall line of a rock you might knock loose will go straight down on the steepest course. Make sure your partner is never in your fall line. You don't want to kill or injure the other person and you can't help but

kick some rocks loose. It is the responsibility of the person on the uphill side to adjust speed or direction to insure that there is no one in his fall line.

Walking Differently — There is an art to walking in extreme mountain terrain. To be good at it a person needs balance and sensitivity. Walking is no longer a mechanical process of putting one foot in front of the other. Each step is different from the rest. One foot reaches out but instead of coming down solidly and taking the body weight it touches the rocks like a hand, testing the footing before you shift your weight onto that foot. If the footing is not solid, that extended foot has got to be free to move around or draw back. If you have already shifted your weight onto it, you have no choice but to complete the step. If the footing is bad, that step could be a disaster.

This testing usually only takes a second or less and when you feel secure then settle the foot gently into or onto the rock and shift your weight. Until you walk on scree, you may never realize how lurching your normal gait is. Up here you shift your weight from one foot to the other very smoothly — visualize an amoeba flowing one pseudopod at a time.

It is a really good idea to practice ahead of time, walking slowly and smoothly. You also should pay attention to your normal walk and figure out which foot is your natural lead. If you have to jump over an obstacle or a small ditch, which foot do you instinctively extend and land on? This is your lead foot. A dyed-in-the-wool climber might practice leading with the other foot until he was equally comfortable on either lead, but you should be aware of your natural lead. When you come to a tricky spot, you will





A good mountain stove should be part of every survival kit. Needed for melting snow to keep your body adequately hydrated.

instinctively want to lead into it with your natural lead foot. You should do this whenever possible, even if it means a little shuffle before that step to get your weight off your lead foot. If you come to a spot where you must make a very long step, it is best to take this step with your uphill foot, again even if it means a little shuffle before. This keeps your weight closer to the mountain, which helps you defy gravity.

As you cross areas of unstable rock, you will be constantly scanning for good footing. Small alpine plants grow in some of the most hostile rock environments imaginable and you should keep an eye out for them. They are usually small and dull colored so you will have to look carefully. The roots of this vegetation stabilize the rocks considerably and a tiny clump of sedge or rock jasmine can give you a secure place to plant your foot, at least for a few seconds. Some places will allow you to pass, but only if you keep moving. In these spots you must flow along with great smoothness. The slightest lurch between steps can start the whole area sliding. As soon as you do come to a place that will hold you for more than a second, stop and look around to re-assess your route.

Load distribution in your pack can make a real, telling, difference here. When walking in moderate terrain, you want the center of gravity of your pack to be fairly high because it is less tiring. In extreme terrain, however, you will want that center to be no higher

than the bottom of your shoulder blades. A higher center of gravity makes it too awkward to maintain the fine balance required to navigate in the high country. Also you should figure the total pounds you can safely carry in extreme country is about half what you are comfortable carrying in more moderate situations.

If you have come to be in the high mountains of Canada or Alaska by reason of an airplane crash, you may well find yourself on a glacier since they are apt to be the most suitable emergency landing fields available.

Glaciers also look like the easiest routes to walk out on. Beware! Looks are ever so deceiving. Glaciers are riddled with crevasses that may be hundreds of feet deep. Often, especially in winter, these crevasses are completely hidden by snow. That snow may be solid enough to support your weight and you will pass over never knowing what is below you. But then again, it may not hold you, in which case you will never be found.

The only safe way to travel on a glacier is roped with a partner or roped to a secure self-belay point. We recommend that aircraft carry at least 100 feet of rope of at least 1200-lb. strength, preferably a good rappel line, so that survivors can safely get off a glacier. If you are roped with a partner, you want to keep at least 50 feet between you so if either one breaks through, the other person can dig in and arrest the fall.

It is important when traveling roped that you don't allow slack in the line

— this makes it a great deal more difficult to arrest a fall.

Self-belay, if you are traveling alone, means that you secure one end of the rope to some object buried in the snow firmly enough that it will hold you if you fall. Now you will walk out with line around your waist, letting the line out a little at a time. When you have let out just under one half the length of your rope, you bury another object, secure the rope to it and now work your way back the way you came, letting the line out around your waist as before.

When you reach the first buried object, you dig it up and carefully work your way back to the second object, taking the first one with you. Then you will belay yourself out another half rope length and bury the first object and repeat the process, sort of 2 steps forward, 1 step back, until you have reached your destination. The objects you use for your "deadmen" could be folding shovels, pack frames, aircraft seats or whatever is available.

Unless you are an experienced mountain climber with proper climbing gear, attempt glacier travel only if you absolutely have to.

High mountains are a world all of their own and though they may look terribly forbidding, they can be a reasonably safe environment if you are careful. Take a few hints from the mountain sheep who are at home on the high peaks. Mountain sheep rarely run anywhere. Mostly they pick their way at a careful walk. They have excellent eyesight and spend a great deal of their time looking around. There is a lot we humans could learn from the mountain sheep and the awesome mountains where they live. ●



A foggy morning when it's best to sit tight and wait for better visibility.

Police Combat Survival Targets

JULIO Santiago, a long-time deputy sheriff in Minnesota and world famous combat shooting instructor, has designed all-purpose and day/night combat silhouette targets for police to help them focus on the center of mass to obtain the most number of hits under the stress of a shootout.

Santiago, who was with the Dakota County, Minnesota, Sheriffs Department for 26 years, spent 12 years developing low-light combat shooting programs for law enforcement officers. Statistics show that most police shootouts take place in low-light conditions.

"We've all been told that when you see an adversary, you're supposed to be aware of what's behind him, all that's going on," Santiago told police he was training. "You probably wouldn't see anything but down the barrel of that gun pointing at you... You have to do something and do something fast."

In too many instances, shots fired at adversaries are fired high and miss, according to combat shooting authorities. Julio Santiago's Combat Survival Targets, and Vital Impact Replacement Targets help train the shooter to direct his/her fire to the center of mass area of human targets and thus obtain the maximum number of hits in a combat situation.

The JAS 2700 full size (23" by 35") Police Night/Day Combat Survival Target is designed to imprint on the mind the area of the body which would give the shooter the maximum number of hits in a low light situation and to focus the shooter's point of concentration on "lower center mass" — a point just below the solar plexus — which is the proven method of hitting a target in low-level-light and stressful conditions.

The JAS 3100 full size (23" by 35") Police All Purpose Combat Survival Target impact area can only be viewed when standing next to the target. Therefore the shooter's point of con-

Helping to focus the shooter's fire under stress for the most hits in a combat situation...



The JAS 3100 Police All Purpose Combat Survival Target vital impact area can only be viewed by being close to the target. The shooter's point of concentration is focused on the center of the target at all times while firing.



The JAS 2700 Police Night/Day Combat Survival Target is designed to imprint on the shooter's mind the area of the body to shoot at to give the maximum number of hits.

JAS 2700
Instinctive Night/Day
Rapid Fire Police Target

Officer's Name _____
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Hits _____
Score _____
Total Shots Fired _____
Instructor's Name _____

centration is focused on the center of the target which is vital in combat survival training.

Santiago also has Vital Impact Replacement Targets which are less expensive and simply replace the vital impact areas of the full size targets.

We have used the JAS 2700 and JAS 3100 targets for all of our current shooting and while at times we deliberately aimed at areas other than center of mass, there is no doubt these targets do help the shooter using them to instinctively shoot for the center area of any human torso.

While we are not experts on the sub-

ject, we agree wholeheartedly with the concept of training to instinctively shoot for center of mass. The only time this might not be effective would be if the target were wearing ballistic armor.

You can purchase units of 100 JAS 2700 or 3100 targets for \$28 each unit plus shipping and handling (\$6 for 100 to 400, \$11 for 500 to 800) from JAS, Inc., 55068; phone (612) 890-7631. Units of 100 JAS 2800, 2900 or 3000 Vital Impact Replacement Targets are \$15 each plus the same shipping handling costs as for the full size targets. ●

Scoring information is recorded in the upper right hand corner of the targets.

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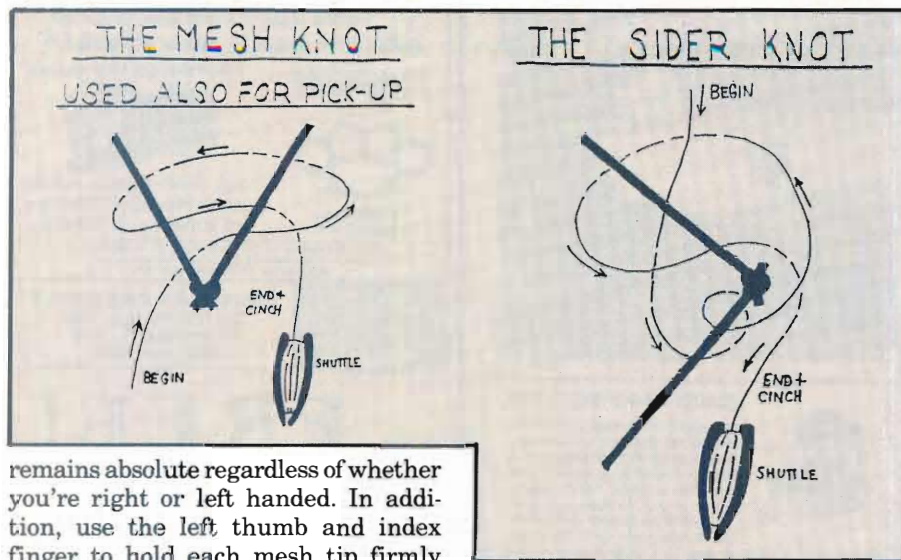
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The School of Gunsmithing
2245 Perimeter Park
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remains absolute regardless of whether you're right or left handed. In addition, use the left thumb and index finger to hold each mesh tip firmly when securing a knot down to the netting. Utilize the left small finger to size and hold each loop of the new mesh being sewn. Finally, knots should be fashioned so the mesh halves line up evenly when stretched. These disciplines result in tightly cinched knots that won't slip, and help the learning craftsman perform in a fast and efficient manner.

Basically the net body forms by sewing meshes in a left-to-right then right-to-left action with the shuttle. In other words, when you sew left-to-right pierce the mesh from behind, under and through; however, the return right-to-left procedure involves an overhand down and through motion. The end result is netting which hangs smoothly without a twist.

With these considerations in mind we are ready to repair a simple three-bar, sider, pick-up, then mesh and terminal three-bar rip. First it's important to clean the torn mesh ends from each knot with a knife. Second, tie a single hitch in the twine end and place this snugly behind the crotch of the upper, beginning three-bar. Third, bring the shuttle behind and around two of the three bars and then through the resulting loop in the twine. Finally, repeat this procedure and cinch the resulting double-hitch down tightly, it shouldn't slip.

Next grab some shuttle twine with the left-hand small finger and place it over the top of the sider, while adjusting the new bar to desired size. Bring the shuttle around and out of the sider mesh, then snug the resulting loop up against the lower side of the old knot. Now thread the shuttle around both

the sider and newly sewn bar and back down through the twine loop. The resulting side knot should hug both the top and bottom of the old knot securely.

Now, supposing the sider just tied had been a three-bar; to sew into it would result in the end of our repair operation before finishing the rip. Thus we utilize golden-rule three and cut the second-bar down, and because there's a pick-up mesh situation it's clearly visible that rules four and five apply. Always sew a pick-up by threading the shuttle from behind and up through the mesh, again as necessary grasping the mesh tip with left thumb and index finger. Sew the shuttle completely around two bars of the pick-up and up through the twine loop; then cinch it tightly.

After a pick-up you must sew upward, from behind and through the mesh above. Remember to size each mesh neatly. If you're sewing with me it's interesting to note that I use the left-to-right stitch motion. Tying a mesh knot is much the same as the pick-up, and from this point the problem should end by tying into the terminal three-bar. If not then it's time to go back through the rip and locate the mistake, which might show up as an octagonal five-bar mesh.

Basically the square measure net I've described here would probably be a gill or seine net, and of course cast and landing nets feature a circular web pattern. The important thing to remember is that the repair techniques illustrated here apply to all nets. For the average fisherman this beginning knowledge provides the necessary

resource to keep that valued foraging tool in good shape. On the other hand, constructing an entirely new net is a craft that commands a considerable investment in time, patience, and diligent attention to work and detail.

New Net Construction — To start the first row of meshes we size a loop to the desired web size and fasten it together with a bowline. Next hang the loop on a nail and align the knot midway on the left side of the mesh. Grab a small length of twine with the left small finger tip; then pierce the first mesh from under and behind with the twine-loaded shuttle. Size the second mesh accurately with the small finger and grasp the first mesh tip with left thumb and index finger. Tie a snug mesh knot. We're now ready to sew our first row of web using the left-to-right sewing posture.

At this point turn the two meshes over on the nail; in other words, we want the mesh knots continuously positioned on the left side of the initial net row. This helps to prevent twist in the lay or hang of the net, and after a few meshes are established the lengthening work can be maneuvered back and forth to adjust the knot position. Also, it's helpful to keep a firm downward pull on the web, an action which assists accurate mesh sizing, easy sewing, and tight knot tying.

Later, after the desired net-panel length has been accomplished, it's time to start fashioning the net body. To do this you string the first row of meshes, every other loop, on a twin-bar tool or tightly stretched line. Then the sewing becomes both easier and faster as the left-to-right, right-to-left action rapidly forms the webbing.

To summarize this lesson there's the additional problem of reducing or adding meshes to form a desired taper. Then you must consider what kind of trap frame or ribline is necessary to sew the net selvage to. In simple terms a gill net has a head rope with spaced floats, and a weighted lead line attached to the webbing, which completes this specific type of net-body framework. All of these finishing steps have a particular technique to apply toward the end result, a beautifully crafted foraging tool. However, these netcrafting problems are fully covered in the resources listed earlier in this article. Finally, Northwest Trawl School offers an outstanding eight-day course on the subject for \$650; for information write 6517 North Fork Road, Deming, WA 98244. ●

Double Eagles

(Continued from page 37)

dots and a front fixed blade with white dot. Overall length is 7.25 inches. Barrel is 3.5 inches. Height is about 5.25 inches. Width is about 1.25 inches.

We test fired our Double Eagles using Norinco mil spec 230-grain .45 ACP ball and some custom loaded (very hot) hollow points .45 ACP ammo; and 10



Standard fixed sights on Officer's ACP.

mm Remington 200-grain truncated cone metal case and 10 mm Winchester 185-grain Silvertip hollow points.

Test firing included fast aimed fire from a standing position using one and two-hand holds at targets set up 10 and 20 yards away, slower aimed fire and rapid fire strings.

While this type of firing does not produce really tight groups, we were well satisfied with the results we obtained that these guns are basically quite accurate.

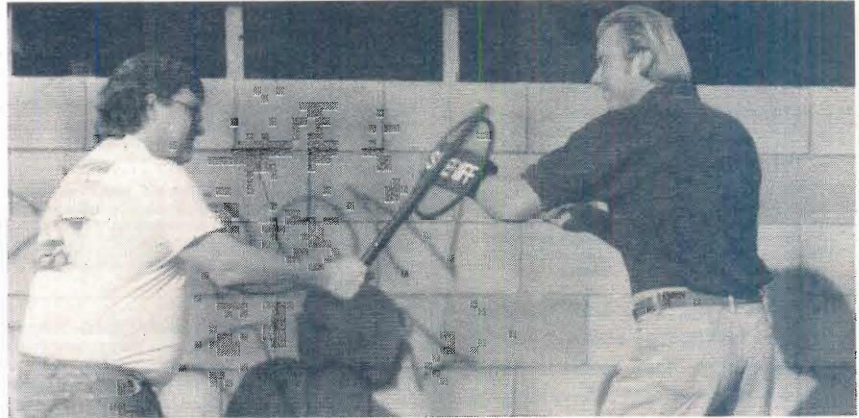
Overall performance was excellent, although we did experience a couple of jams in the 10 mm (one with each type of ammo) and one or two in the Officer's ACP (with the very sharp custom hollow points). These may have been related to the cold temperatures at the time of test firing, our own improper handling of the guns during firing, snow which got on both guns as they were handled and shot, or other factors. But overall, during both slower aimed through the rapid fire strings of shots, both guns performed in an outstanding manner.

The suggested retail price of the Officer's ACP is \$695.95 and that for the 10 mm is \$745.95. While both guns are on the heavy side, they are very well made and reliable, accurate weapons. They feel great in your hands and performance is tops. We think they're well worth the price. ●

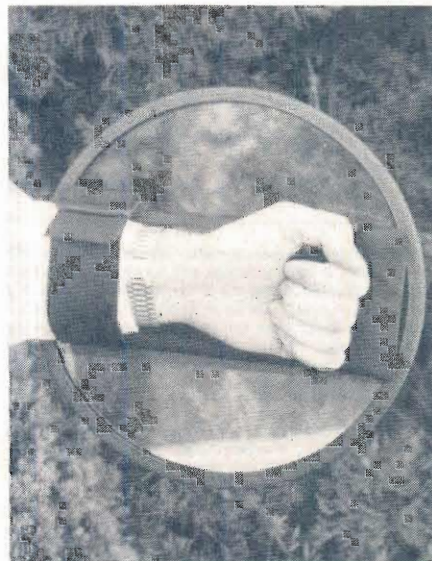
Aardvark Enterprises:

Personal Defense Shield

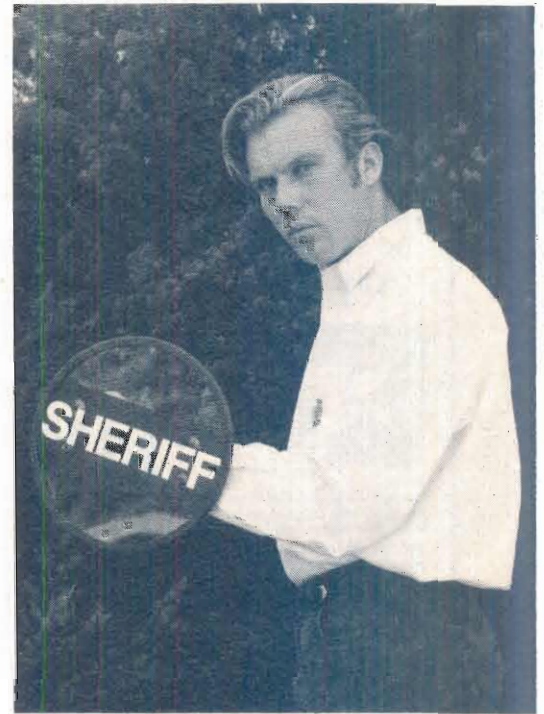
Made of 100 percent lexan...



The shield was struck repeatedly with a police-type resin baton and showed no ill effects.



Nylons straps are adjustable for custom fit.



The shield is worn "gladiator style."

Staff Report

DESIGNED primarily for use by law enforcement officers, the new Personal Defense Shield, made by the Officer Safety First Company, can be used during riots, parties or bar fights to fend off thrown objects, clubs, or punches.

The shield design is based on the ancient gladiator shields. It's made of one quarter inch thick 100 percent lexan and measures approximately one

foot in diameter. On the rear side is an extra piece of lexan covered with nylon and adjustable nylon straps where the user's arm fits. It is light and meant to be used instinctively, with a baton or a gun in the other hand.

The Personal Defense Shield is available to law enforcement personnel for \$45 plus \$5 shipping and handling each. Also available on a limited basis to civilians. Contact: Aardvark Enterprises, Dept. ASG, 733 Naomi Ave., #1-297, Arcadia, CA 91007; (818) 577-0671. ●

Border Patrol Shotgun (Continued from page 24)



Brenneke slugs fired from 20 yards.

U.S. government agency has decided to issue "practical" type shotguns to its personnel. In commenting on the usefulness of the Tactical Response shotgun as being practical, Small said, "For accurate and sustained delivery of multi-purpose projectiles (pellets, buckshot, slugs, tear gas, etc.), there is no other firearm like it."

With the many standard and special features offered on SGT's line of nearly one dozen Tactical Response (an SGT trademark) shotguns, Small said SGT is producing the world's first *production* line of practical shotguns. "We didn't invent the practical shotgun," he commented, "but we took it from being a custom-built gun to the realm of being a *production* practical shotgun."

The SGT Border Patrol Model 90120-NW 12 gauge shotgun, an 18-inch barrel modified Remington 870P shotgun, retails for about \$555 and is available to government agencies or the public directly from SGT or through dealers. In states where it is permitted, civilians may also purchase the 14-inch barrel Border Patrol Model 90121-NW — also \$555 — which is sold primarily to government agencies.

SGT buys parkerized Remington

870P Magnum Police 12 gauge pump receivers and 1187P Magnum Police 12 gauge semiautomatic receivers and adds its own stocks, sights and other parts to produce its Tactical Response guns. Remington's shotguns were selected because of their rugged, reliable actions, all steel receivers and side port ejection (for versatility of loading different projectiles).

SGT sells all of the items it modifies its shotguns with individually or as retrofit kits for shotguns. For example, you can buy a retrofit Border Patrol Model kit for \$295 complete with instructions.

One of the most striking features of the SGT Tactical Response shotguns are the Trak-Lock ghost ring sights which were designed for the I.N.S. contract, and because of their innovative design are currently patent pending. Made entirely of 4140 chrome-moly steel and requiring only one Allen screw to adjust for windage and elevation, the Trak-Lock sights were designed to meet a mandatory sight drop test established by the Border Patrol. This test requires that the sights resist damage when the firearm is dropped, sights down, from a height of 4 feet.



This black nylon padded carrying case with adjustable shoulder strap is specially made for the Tactical Response shotguns and can be purchased separately.

The large rear sight aperture is nearly a quarter-inch in diameter and is counterbored in front to reduce glare. The large ramped front blade sight has

(Continued on page 69)

THE night vision device pictured on our cover and in the color photo of the Border Patrol Tactical Response shotgun in this issue is a second generation micro-channel plate intensifier type in current use with U.S. military and government agencies worldwide.

It is also available to civilians here in the U.S. Foreign government agencies may also purchase this equipment by special license.

The micro-channel plate technology gathers minute amounts of light, such as that from stars and the moon, and enables the user to see far better in darkness than with the naked eye. This and other night vision equipment is available from STANO Components, P.O. Box 2048, Carson City, NV 89702; phone (702) 246-5281; fax (702) 246-5211. •

The Stano Components NVG-500 Night Vision Goggles.



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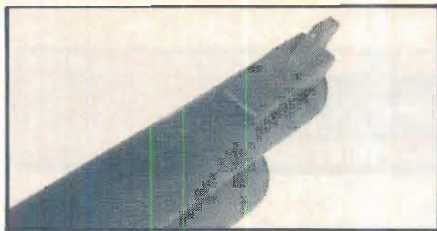
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Front sight has a luminous insert for night firing.

a luminous dot of tritium on it for night firing.

The light, rugged black stock and fore grip are made of fiber glass filled polypropylene and are extremely tough and weather and impact resistant. The 1-inch-thick hard rubber recoil pad on the stock is contoured with smooth edges to prevent snagging on clothing as the weapon is raised to fire or otherwise being handled.

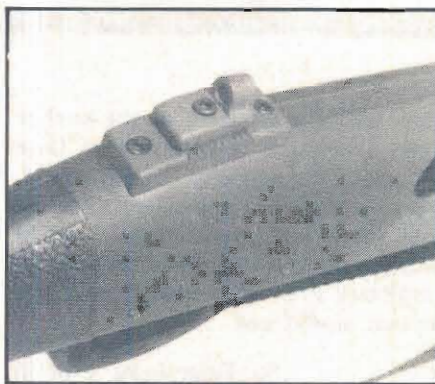
The Border Patrol models are fitted with magazine tube extensions which add additional rounds of 2¾-inch ammunition to the capacity of the shotguns. Our test 18-inch model has a capacity of a total of 7 (6 in magazine + 1 in chamber) rounds of 2¾-inch ammunition or 6 (5 + 1) rounds of 3-inch ammunition.

Finally, there is the 3-Way Tactical Sling made of black nylon web and black nylon buckles. It's fully adjustable for various uses and is designed by SGT for three main methods of carrying the shotgun which are illustrated in the accompanying photos. These carry positions give the user the ability to bring the shotgun rapidly into firing position while leaving both hands free for other tasks.

Evaluation — SGT recommends the use of 2¾-inch Winchester 00 buckshot and Brenneke slugs in the Border Patrol Models. Not finding any Win-

Border Patrol Shotgun

(Continued from page 67)



Patent pending Trak-Lock adjustable rear sight is outstanding.

chester 00 buck at our local gun stores before test firing time, we purchased some Federal Hi-Power 2¾-inch 00 buckshot and some Rottweil Brenneke rifled slug Magnum loads.

This shotgun will obviously handle other types of ammunition as well but we were very pleased with our use of these loads during test firing.

The ghost ring sights are superb. The rear sight aperture reminds me of the excellent large aperture on the rear sight of the M1 Carbine. Its large size allows rapid and easy target acquisition — just the sort of thing you would require in a tactical situation. The front sight is rapidly picked up through the rear aperture and our rear sight was adjusted at the factory so no zeroing at the ranges we were working in (20 to 30 yards) was required.

Firing both types of ammunition quickly at upper torso and the head areas of silhouette targets provided near perfect accuracy. Where the weapon was pointed was just where the



Hard rubber recoil pad has no sharp edges to snag on clothing.

hits were made time and time again.

The 870's dual action bars give this shotgun the best possible reliability and performance. The steel cross-bolt type safety worked perfectly every time it was used. The weight of the Model 90120-NW is 8.5 pounds empty with sling, but for some reason it feels lighter to us. Perhaps it's the balance of the gun, but in any event, it's very comfortable to wield and shoot. The thick recoil pad is a big help in absorbing recoil during firing, and the all-steel construction and additional weight of the sights and sling mounting hardware also help tame the kick from firing.

Overall length is 38.5 inches with stock and recoil pad taking up about 13.5 inches of length. The weapon just feels good in your hands and aiming, firing and working the slide seem more natural functions than with other pump shotguns we've fired. This firearm is definitely user friendly.

With its construction, reliability, accuracy, comfort, capacity and ease of operation, the Border Patrol Model 90120-NW is a truly versatile firearm, highly useful and effective for many tasks, including self defense. It is without doubt the best shotgun of this type that we have ever seen. Some of us who've handled it are already planning on purchasing one. We couldn't give a better endorsement.

For more information about the Border Patrol shotguns or other Tactical Response shotguns from SGT contact: Scattergun Technologies Inc., Dept. ASG, P.O. Box 24517, Nashville, TN 37202; phone (615) 254-1441; fax (615) 254-1449. ●



Safety and bolt release levers.

Expedient Water Purification

In the article, "Expedient Water Purification" (January 1992), the author states: "Distillation removes all contaminants and produces remarkably pure and appealing water." I believe this is untrue. There are many contaminants, amongst them the trihalomethanes, which evaporate and condense at very near the same temperature as does water, making distillation less than perfect.

Gary Russel
Fairfax, Virginia

The author of the article, Bill Kump, responds: *You make a valid point. The selection of a purification method is, of necessity in a survival situation, an educated guess based upon your knowledge of the area and the risks involved. Water from heavily polluted areas should only be used as a last resort because the odds are not in your favor. This includes river or ground water taken downstream from: major cities/population concentrations; industrial areas; mining sites; nuclear facilities or any other source where significant concentrations of man-made pollutants are suspected. Given typical backwoods conditions, distillation will produce the cleanest and safest water of the primitive, expedient methods presented. Water polluted with industrial or NBC contaminants very possibly may not be safely purified by any expedient method, no matter how much you work with it, depending on the contaminants present and their concentrations. Field expedient methods are no substitute for commercial water purification devices. They should only be used when absolutely necessary or when you are certain that the odds are strongly in your favor.*

Young Readers

Among the people listing information or requesting information in your Survivalist Directory are several children. Some listings are those of young boys 13 to 15 years old. I am concerned about the magazine accepting and publishing the information from these young people. They are hardly old enough to have experienced life and its challenges, much less fully understand the meaning of survivalism. They certainly do not subscribe by themselves to the magazine and possibly are just looking to see if you will publish their listings. I do not know of any true survivalists with information and training to offer at such an age. Although beginning training in sur-

MAIL CALL

vival skills is effective at the earlier ages, I hesitate to believe that they represent the majority of people reading your magazine and believing in the concepts of self preservation. I would prefer that the magazine restrict its emphasis and involvement to more mature audiences.

R.A. Potts
St. Petersburg, Florida

These young people do not represent the majority of people reading the magazine. At the present time, to the best of our knowledge, the average age of the readers is close to 40, but the readership includes many older people and many younger people as well, including these young boys. We understand your concerns, and we do not accept any and all listings to the Directory. However, unless parents prohibit the reading of ASG, or magazine dealers refuse to sell it to these individuals, we are not able to prevent younger people from reading it.

1903 Springfield Rifle

I really enjoyed your article about the 1903 Springfield Rifle from Federal Ordnance. It was my privilege and pleasure to have fired the '03 for three years—1936, 1937, 1938, while serving with the 13th Infantry Regiment of the 9th Infantry Division at Fort Adams, Rhode Island. We fired three different ranges as follows: 200 yards—offhand position (standing), slow fire; 300 yards—sitting and kneeling position, slow fire; 300 yards—prone position, rapid fire, 10 rounds per minute; 500 yards—prone position, slow fire. All positions were fired with slings in use and no scope. The article refers to "three sling swivels." The bottom two were the sling swivels. The uppermost one is the "stacking swivel," used to stack arms when in the field. I hope this clarifies the three swivels. I would like to see an article about the Browning Automatic Rifle (BAR) .30 caliber.

Paul Larrison
Cambridge, Ohio

Protein

I am writing to comment on Jim Benson's article, "Are You Getting Enough Protein?" (December 1991). The article is critical to today's health

issues especially considering the fact that so few people are aware of their body's need for protein. I would like to point out the significance of the fact that Jim Benson's case (protein deficiency resulting from dieting) was very different from the average individual's. As he stated in the article, the RDA for protein is 0.8 grams per kilogram of body weight. This is a generous allowance for a healthy adult. In fact, the average American consumes more protein than they need. There are no health benefits gained by consuming a diet that derives more than 15 percent of its calories from protein, and if intakes rise to 20 percent of calories from protein there may be health risks involved. Protein from animal sources may raise serum cholesterol and thus the risk of heart disease, and also diets high in protein necessitate higher intakes of calcium as well, because such diets promote calcium excretion. One very important fact that needs to be mentioned is if an individual overloads on protein he is more likely to crowd out other important nutrients in his diet. The energy nutrients carbohydrate and fat are very important in a balanced diet. Whenever carbohydrate is available to the body, the human brain depends exclusively on it as an energy source. Many athletes' diets are high in complex carbohydrates so they can store as much muscle fuel as possible. Fat is also an important nutrient and it should not always be thought of as the enemy. The fat-soluble vitamins A, D, E and K are found in the fats and oils of foods and perform many important body functions. Extra protein cannot be forced into the muscles to make them grow. The way to increase muscle size is to put a demand on them. This means to make them work and they will respond by taking up nutrients — amino acids included — so that they will grow. In closing I refer to *Nutrition & Diet Therapy*, the text book on which I relied for much of the information included in this letter: the best diet is derived from whole, minimally processed foods and is high in carbohydrates, adequate in protein, vitamins and minerals, and low in fat.

Geri Balfrey
Barnardsville, North Carolina ●

Shatterproof Polycarbonate:

Protective Optics

Staff Evaluation

High quality eye wear designed for shooting and UV light protection, target definition, comfort and affordability. . .

PROTECTIVE Optics, manufacturers of high-quality polycarbonate shooting and general use eyewear, offer several distinctive styles and several different tints at reasonable prices.

We first came across these unique shooting glasses at a gun show in Las Vegas and one of us purchased a pair of the popular wrap around style gray glasses. For only \$24.95 the staffer got a pair of lightweight, very sturdy sunglasses with comfortable padded ear pieces and soft rubber nose piece, along with an extra set of cable (for secure fit) interchangeable ear pieces, cleaning cloth, leash cord and handy clip-on nylon carrying pouch.

He has since used these glasses extensively not only for shooting protection but also for general wear, especially when driving, and thinks very highly of them. They offer 100 percent ultraviolet light protection and come with a one-year warranty against defects in materials. They have held up very well for the better part of a year since being purchased. The lenses are shatterproof polycarbonate but they will scratch so some care should be taken with them for longest life.

We have also now had the opportunity to try other sets of these fine wrap around shooting glasses, in yellow for brightening up dimly lit areas, night driving and shooting in low light conditions; and a pair of unique plum tints, a favorite of trap and skeet shooters, excellent for snow and general use in bright sun conditions. Amber tint is best for blocking blue light, chief component of glare.

An amber tint and clear glasses are also available in this style, known as PC Wrap Around. Additionally, Protective Optics makes a smaller wrap around style known as the PC Slim Line. Wrap Arounds, available in yellow and gray; the PC101 Wire style available in the same tints (including clear) as the PC Wrap Arounds; and the PC Clip-Ons available in yellow, amber, gray, plum. Suggested retail

prices for the PC Wrap Arounds and PC Slim Line for any tint are \$29 to \$32 per pair. The PC101 Wire and PC Clip-On styles in any color available are \$22 to \$26 per pair.

One hundred percent satisfaction is guaranteed with these sunglasses and we highly recommend them. They are a great bargain for the price. While we have not tested them by shooting them we have on file from the company numerous testimonials from police departments and shooting authori-

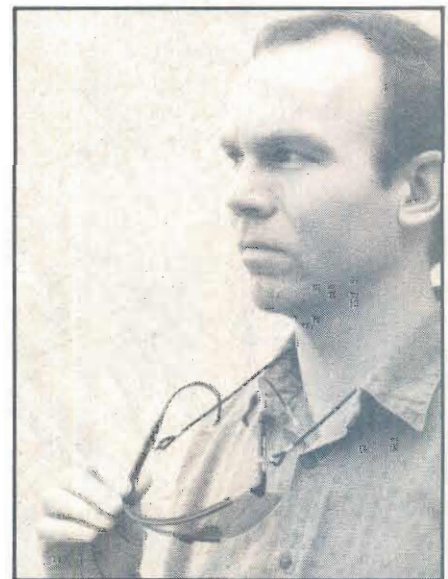
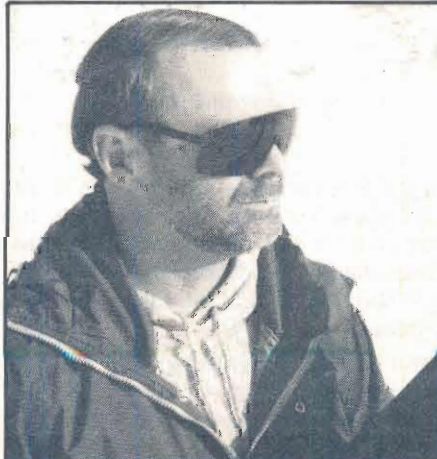
ties around the country who have fired shotgun blasts at them and found them highly protective. One shooting instructor wrote that he was saved from a serious eye injury while wearing a pair of Protective Optics glasses when a .22 cartridge exploded in his face.

Ask your dealer about these sunglasses or contact Protective Optics, Dept. ASG, 1320 W. Winton Ave., Hayward, CA 94545; phone 1-800-77-OPTIC or (510) 887-2401; fax (510) 732-6134. ●



Protective Optics shatterproof polycarbonate sun/shooting glasses come with a set of paddle ear pieces, extra set of cable ear pieces, leash cord, cleaning cloth and nylon carry bag.

The plum tint PC Wrap Arounds are excellent for snow or bright sun conditions. Users found them very effective against snow and bright sun glare.



Here are a pair of PC Wrap Around yellow tint glasses with cable ear pieces and leash cord.

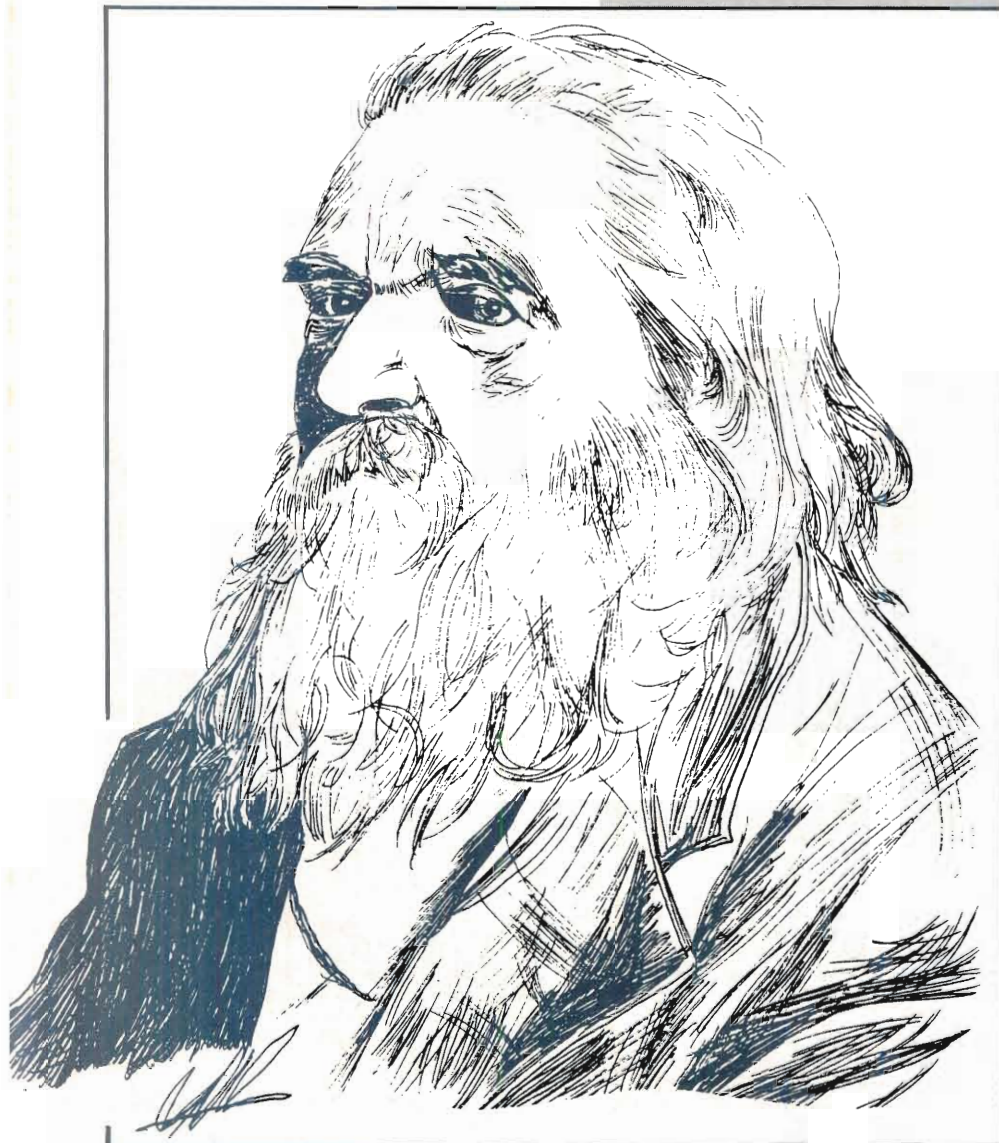


Inalienable Rights:

Fully Informed Juries

Lysander Spooner (1808-1887), author of *An Essay On The Trial By Jury*, cared more about justice than money, prestige or power. He brought to light the sovereignty of a juror's conscience.

'When you sit on a jury, you have the sacred right to vote your conscience'...



"Possession of an UNREGISTERED WEAPON can be treated as an infraction punishable by a fine of up to \$500, a misdemeanor or A FELONY, depending on the circumstances." — *S.F. Chronicle* 9/13/91

"In all criminal prosecutions, the accused shall enjoy the right to a speedy and public trial, by an IMPARTIAL JURY..." — Article VI, *Bill of Rights*

"... The ancient TRIAL BY JURY is preferable to any other, and ought to be held sacred." — *Sec. 11, Virginia Declaration of Rights*, 15 May 1776

By Raymond Steele

WE Americans who happen to be just foolish enough to believe in the Declaration of Independence, the Constitution, and the Bill of Rights, are starting to find ourselves in deep trouble.

For merely exercising our Second Amendment Rights to keep and bear arms, we are increasingly being exposed to harsh, unfair, socialist-type

FELONY laws to disarm us, as shown in the opening newspaper quote. Here's another one:

"I don't think everything the Communists do can't be copied... We need to look at it (the Constitution) and maybe from time to time curtail some of those rights..." — Chicago Police Chief Leroy Martin *S.F. Chronicle*, 7/12/91

This is no joke, fellow-Americans. Something is very wrong here! The time for snoozing in a made-up dream world is over. You had better wake up, get some steel in your backbone, and stand up for the right, or we will all lose the very precious liberty and freedom that makes this country so dear. As it is now, our liberties hang by a thread!

The massive brainwashing and scientific thought-control techniques (see ASG "Confront The Conspiracy," 12/90, and "Media Boycott," 1/91, et al) that have been practiced for decades on our brains, have deeply affected our abilities to use common sense and simple reasoning.

And now our liberties are in real peril, and the social thought-programming we have absorbed in our collective subconscious has caused us to live in a continuous state of denial. We have been so conditioned against accepting any form of danger as real, (except the mostly imaginary ones drummed up by our media masters to manipulate us), that we will act contrary to our own interests even when our way of life and even our own lives are at stake!

We have been so mesmerized by those who would be our socialist masters, that the glint of intelligence and awareness in the eyes of too many Americans have been replaced with the deer-in-the-lights vacant stare. We are victims of profound behavior modification on a massive scale, and we don't even know the depth of it!

I have said all of the foregoing to

wake you up and make you realize that if you allow the brazen power-grab of our rights by Big Government: to continue without your vehement, intelligent objections, you are giving your tacit approval. And when they come to take your guns, and when they come to take your children, and when they confiscate your property and slap you in irons or dump you on the street, you will have no excuse, because you approved by your silence!

During the recent confirmation hearings of Clarence Thomas for the Supreme Court, the question of "Natural Law" came up. One newspaper quoted it as being "a legal theory that some individual rights are inherent and independent of all government authority." Senate Judiciary Committee Chairman Senator Joseph Biden was said to have declared that Americans don't understand what natural rights are.

Well, Biden is probably correct. Far too many Americans have no clue as

to what natural rights are, and that is very sad. Read the Declaration of Independence. It is sprinkled with phrases like: "... The Laws of Nature and of Nature's God... truths self-evident... endowed by their Creator with certain unalienable Rights... to secure these rights, governments are instituted among men..."

Far from being a mere "legal theory," it is the very essence and foundation of our government and our very way of life. The U.S. government was instituted to secure these natural rights! Thomas Jefferson went so far as to say that "George Mason (author of the Virginia Declaration of Rights) was the author of the Bill of Rights, and the Constitution founded on it..." — Letter to Henry Lee, May 8, 1825.

Think of it! The Bill of Rights was not merely tacked on the Constitution, it is the very *foundation stone* upon which the Constitution itself is built! Webster's says of the word *foundation*: "An underlying natural base or sup-

port. A body or ground upon which something is built.

Another dictionary says this: "Foundation means *the solid groundwork supporting... a system of government...*"

Brother and sister Americans, if the Bill of Natural Rights is destroyed in our country, our Constitution becomes null and void, for you cannot decimate, you cannot devastate, you cannot ruin the foundation of this Blessed House we call America, without destroying the very House itself. It is impossible — destroy the foundation and the House *must* fall (to be replaced by an utterly corrupt socialist totalitarian form, coming sooner than you can imagine).

Juries Judge The Law — We now arrive at the thrust of this article. That is, to achieve justice juries *must* judge the law. When the executive branch, the legislative branch, and the judicial branch fail to uphold the Supreme Law of the Land, (the Constitution and its foundational Bill of Rights), it then falls to us as jurors to act with intelligence and courage to rescue our rights and make void unlawful laws!

"An unconstitutional act is not law; it confers no rights; it imposes no duties; affords no protection; it creates no office; it is in legal contemplation as *inoperative* as though it had never been passed." — *Norton vs. Shelby County* 118 US 425 p. 442

You see, when you sit on a jury, you have the sacred right to vote your conscience. What does that mean? Simply that no matter if the judge instructs you to "consider only the facts," you have the awesome power not only to judge the facts, *but the very Law itself!* (The following set of quotes come from *The Citizens Rule Book*, available at the end of the article.

"The jury has a right to judge both the law as well as the fact in controversy." — John Jay, 1st Chief Justice, U.S. Supreme Court, 1789

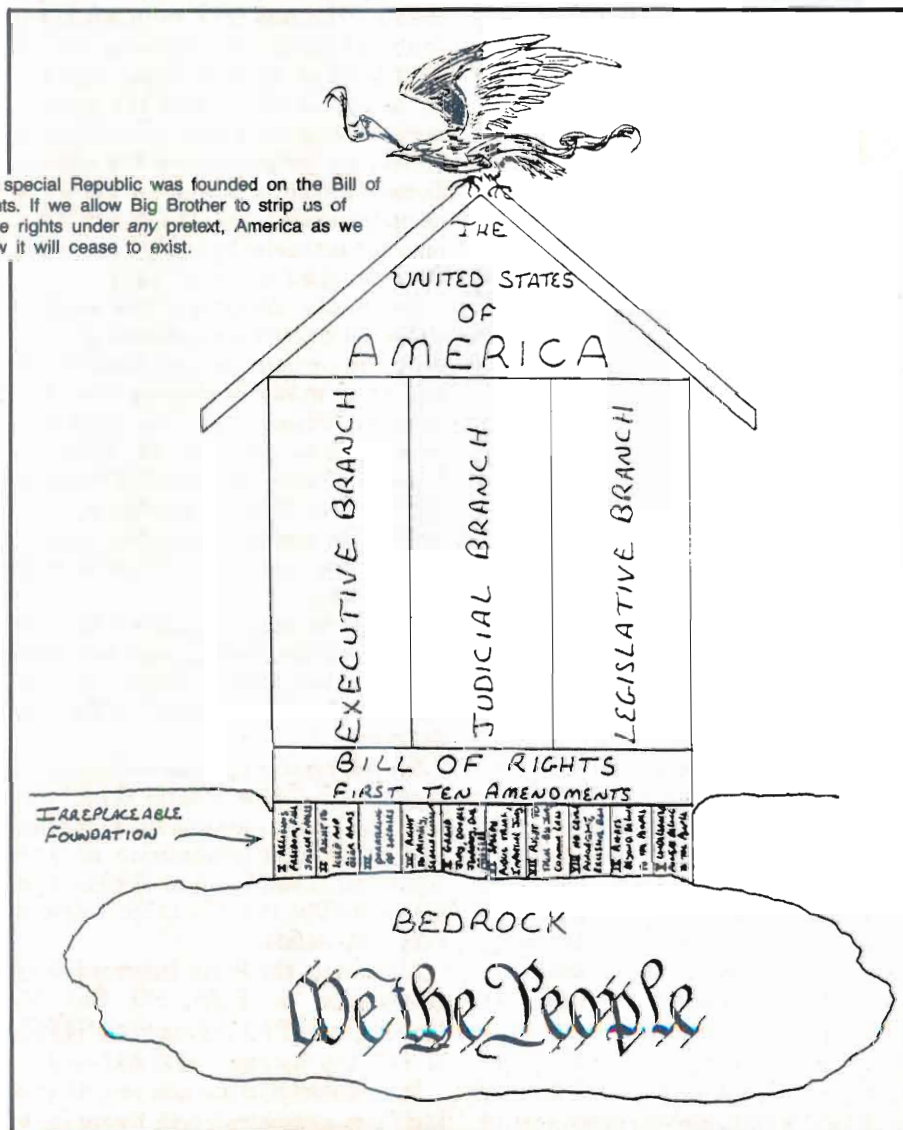
"The jury has the power to bring a verdict in the teeth of both law and fact." — Oliver Wendell Holmes, U.S. Supreme Court Justice, 1902

"The law itself is on trial quite as much as the cause which is to be decided." — Harlan F. Stone, 12th Chief Justice, U.S. Supreme Court, 1941

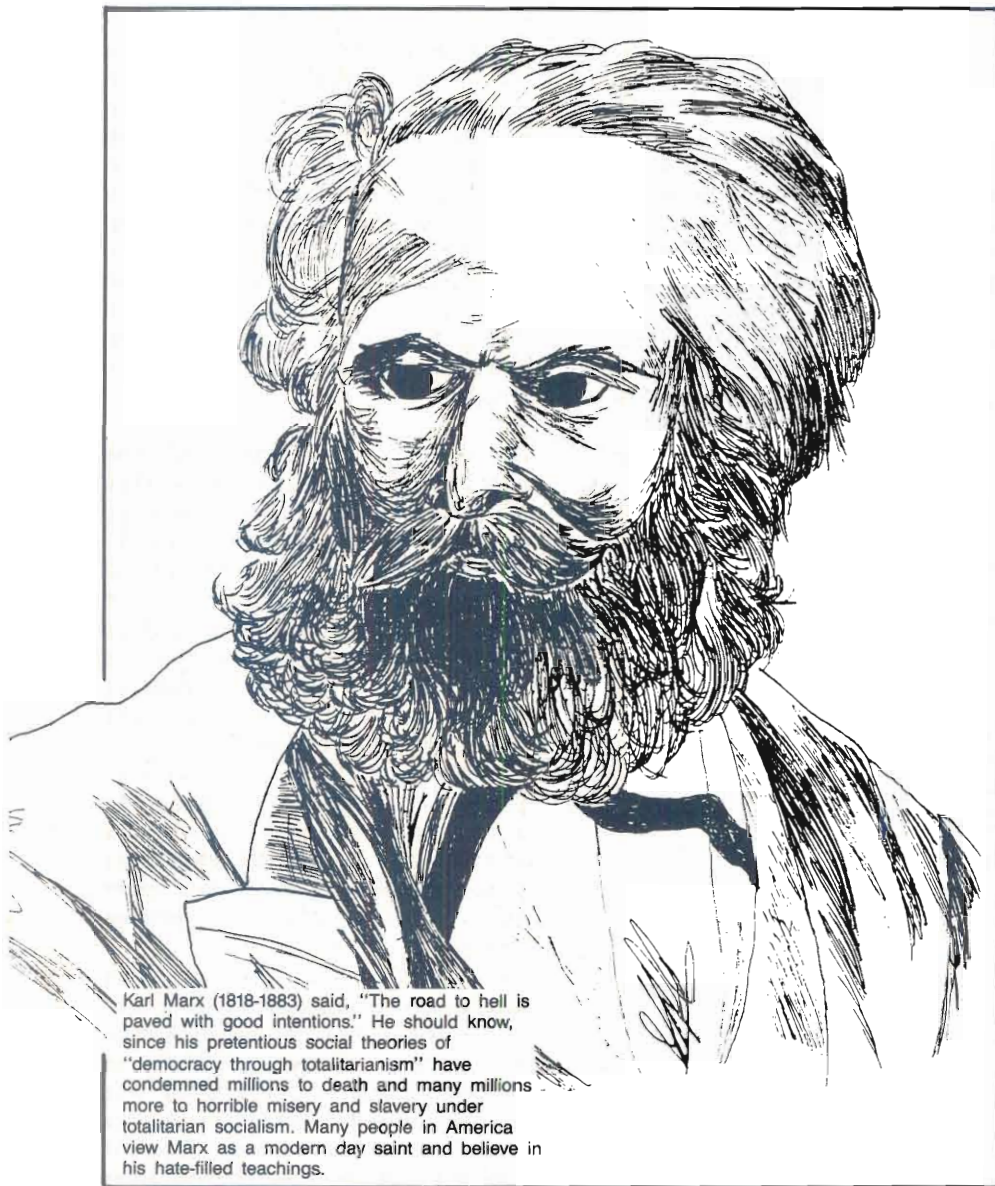
"The pages of history shine on instances of the jury's exercise of its prerogative to disregard instructions of the judge..." — *U.S. vs. Dougherty*, 473 F 2nd 1113, 1139, (1972)

"Where rights secured by the Constitution are involved, there can be no

Our special Republic was founded on the Bill of Rights. If we allow Big Brother to strip us of those rights under any pretext, America as we know it will cease to exist.



Fully Informed Juries



Karl Marx (1818-1883) said, "The road to hell is paved with good intentions." He should know, since his pretentious social theories of "democracy through totalitarianism" have condemned millions to death and many millions more to horrible misery and slavery under totalitarian socialism. Many people in America view Marx as a modern day saint and believe in his hate-filled teachings.

rule-making or legislation which abrogate them." — *Miranda vs. Arizona*, 384 US 436 p. 491

We are brainwashed into thinking that just because state or federal legislatures pass a law, we must observe it. Not so! If it is repugnant to the Constitution, it is null and void. Who makes it so? You do, when you sit on a jury. By returning a "not guilty" verdict, just *one person* in twelve can hang jury and set an innocent man or woman free (Info you need to study this in depth is at article's end).

I have applied this information with reference to the sacred right to keep and bear arms, because that is where a lot of heat is being applied by the socialist totalitarians in government and the media now. A number of us

have tried to get the NRA involved in disseminating the lost knowledge of jury rights, but they have refused to do so. They say they "must confine their activities to their very specific charter."

The NRA Charter Article II, Purposes and Objectives, states:

"The purposes and objectives of the NRA are 1. to protect and defend the Constitution of the United States, especially with reference to the *inalienable right* of the individual American citizen guaranteed by such Constitution to acquire, possess, transport, carry, transfer ownership of, and enjoy the right to use arms, in order that the people may always be in a position to exercise their legitimate individual rights of self-preservation and defense of family, person, and property, as well

as to serve effectively in the appropriate militia for the common defense of the Republic and the individual liberty of its citizens..."

Excuse me, NRA leaders, but the big news is that we *can't* do most of those things in many places in our own country, because laws have been passed by legislatures and "validated" by governors and presidents, which forbid us to do so. Our "inalienable rights" are being transferred to Big Brother against our will. And where are those laws enforced? *In Courts!* And who sits on the juries condemning innocent Americans to pay fines, to go to prison, and to otherwise be wrongfully harassed by punishments which the criminally guilty alone ought to suffer? Juries composed of *We The People!*

Like rubber stamps for injustice, we sit in ignorance condemning our innocent brothers and sisters, because we swallow the line that we must judge "only the facts!" We are being lied to!

"If the jury have no right to judge of the justice of a law of the government, they plainly can do nothing to protect the people against the oppressions of the government; for there are no oppressions which the government may not authorize by law." — Lysander Spooner *Trial by Jury*, 1852

Every day American gun owners either sit on juries condemning innocent gun owners, or they themselves are found guilty of obeying the Constitution. Please, take the time and urge them to get involved. Write to: Wayne LaPierre, c/o NRA, 1600 Rhode Island Ave., N.W., Washington, D.C. 20036 (Be specific about jury rights, and request a copy of the NRA Charter and bylaws.

"I consider trial by jury as the only anchor yet imagined by man by which a government can be held to the principles of the Constitution." — Thomas Jefferson.

For information on natural rights, a copy of the *Citizen's Rule Book* with the U.S. Constitution and Bill of Rights, and other vital information on jury rights, etc., send \$3.50 to: We The People, Wake Up!, P.O. Box 1118, Redwood City, CA 94064.

Also, write the Fully Informed Jury Association at: FIJA, P.O. Box 59, Helmville, MT 59343 (enclose SASE), or call the hotline, (314) 997-8588.

Your children will thank you, for giving them a country worth living in. ●

Africanized Bees

*Knowing the risks,
debugging the myths...*

As many as 300 swarms of Africanized or "killer bees" have crossed into the U.S. from Mexico at this writing, a lot more than were expected and the vanguard of what could be a wide-ranging invasion of the U.S., scientists say — The editors.

By Martin P. Waterman

AFRICANIZED bees, or as they are more commonly known, "killer bees," officially arrived in the United States September 26, 1988.

A dock worker in Mobile, Alabama, who had been counting shipping cargo left his work station and looked up at a wall and saw about 200 bees.

Within 5 minutes of learning of a possible Africanized bee infiltration, a U.S.D.A. Plant Protection and Quarantine Officer was at the scene. In a scene reminiscent of an old Hollywood "B" horror movie, the officer suited up, collected 100 bees, killed the rest (just in case they were in fact Africanized bees) and sent the bee samples by overnight express to the Beneficial Insects Laboratory in Beltsville, Maryland.

The results at the laboratory from the wing comparisons was that they probably were Africanized bees but to be sure they did a complete body measuring (Morphometric) analysis. This was done by precisely measuring 25 separate body parts and the information was fed into a computer which gave them their answer.

The probability of their bee specimens being Africanized bees was 99.4 percent.

Although this colony was detected and destroyed, the bees had reached and begun to infiltrate into the United States as so many scientists had predicted. In October of 1990, a swarm of about 3,000 Africanized bees was found at Hildago, Texas. They had migrated to the United States from Mexico. The swarm was found in a trap line used to monitor the spread of Africanized bees and was killed even before confirmation that they were indeed Africanized bees.

In 1991, the first actual Africanized bee attacks in the United States took place. The first attack happened near the Texas border city of Brownsville in the Rio Grande Valley and although

it was not fatal it is no doubt a precursor of what is yet to come.

Africanized bees originated not in Africa but in Brazil when an experimental colony of African bees was accidentally released from a scientific research facility in 1957. This colony went on to breed with the local honey bee population present in South America and the result was the creation of the now famous Africanized honey bee.

The Brazilian scientist that brought the original African bees had intended to cross them with European honey bees which are not native to the new world but originally were imported by colonists from Europe. The Brazilian scientist had hoped that by crossing African honey bees and the European descendent bees, he could create a colony of super-bees ideally suited for hot climates. One of the problems with existing bees in hot climates is poor honey production and pollination and it was thought that by breeding a new strain of bee that this would create a better bee that was ideally suited for tropical climates. However, instead of creating a new and improved bee they have created a potential nightmare.

This new strain of bee, the Africanized bee, has slowly migrated north from South America through Central America and Mexico. The stinging incident in the State of Texas, was despite the activities of APHIS, the U.S.D.A.'s Animal and Plant Health Inspection Service, which has destroyed 23 swarms since 1983 that have hitchhiked on ships from Latin America. APHIS has captured more than 25,000 Africanized bee swarms in a cooperative program with Mexico since 1987. There are still over 80,000 swarm traps in Mexico and nearly 300 bait hives in the Rio Grande Valley of Texas. Both governments are trying to curtail the further infestation of Africanized bees.

The greatest threat that most people identify with the Africanized bees is their sting and correctly so. There have already been several fatalities in Latin America. The hysteria has created exaggeration with some large numbers kicking around but most scientists believe that there are less than 50 con-

Invasion USA:

firmed fatalities. However, it is not the venom of the Africanized bee that is the greatest danger. In fact, oddly enough, Africanized bee venom is roughly equally poisonous to that produced by our regular honey bees.

The real threat to people is threefold.

Firstly, when Africanized bees sting, they sting in greater numbers. With the greater number of stings, the greater the possibility of shock and even death to their victim. On its own, a single solitary African bee sting will not kill you unless you are highly allergic to bee stings. However, five hundred bee stings will inject enough toxin into the average healthy human to kill him or her. Many of the victims of Africanized bee attacks have been found with several thousand stings.

Secondly, the Africanized bees will attack with considerably less provocation than normal bees.

And the third reason, and one of the most troublesome, is that Africanized bees will pursue their victim for a greater distance — sometimes up to a mile. Regular honey bees will usually give up after just a few feet of pursuit. Africanized bees can also remain in an area waiting around up to an hour while their victim seeks cover.

Agricultural Worries — Africanized bees also have the potential for negatively impacting agriculture. This is a great potential problem for farmers and agriculture in the United States. Africanized bees produce less honey and are less efficient pollinators. Compared to existing honey bees, Africanized honey bees collect nectar with less sugar, carry smaller loads, make longer trips and don't communicate as well with other bees about where the best nectar locations are. The farmers are justified in being worried. Bees provide \$150 million worth of honey and pollinate over \$20 billion dollars worth of crops every year. To make matters worse, African bee drones are more aggressive at pursuing queens which is expected to result in the Africanization of many of the bee colonies in the United States.

Because approximately one third of the American diet is either directly or indirectly dependent on crops that are pollinated by honey bees, the ramifications cannot be predicted. Honey bees have been traditionally moved by truck from one crop to the next in some areas. It would seem unlikely that a more

aggressive and defensive strain would tolerate this type of handling.

Scientists are continually working on the Africanized bee situation. One of the items being studied is just how much interbreeding has taken place between the Africanized bees and local bees. However, some scientists claim that there has been little genetic interaction and that the Africanized bees entering the United States may be as pure as the original bees that were released 35 years ago.

Scientists are also working on a program to build a better bee that may out compete and outbreed any Africanized bee strain. Work is being done to evaluate and map genes so that a possible genetically engineered superior bee can be produced.

Another possible deterrent is "Deet" which was developed by the U.S.D.A. in the 1950s. Deet was originally developed as a mosquito repellent but was found that it also will repel bees. Deet does have one drawback. When sprayed on the skin or clothes, it is ineffective. It has to be sprayed at the attacking bees to be effective.

Still another control measure is the marking of the non-Africanized queen bees. By doing this, it will become obvious when an Africanized queen has come and taken the place of a resident queen. Africanized queens also breed faster and their offspring mature earlier than European honey bees. Beekeepers are being advised to put a small mark or dot on their queens with paint or nail polish so that they can be certain that they have a desirable and not an undesirable queen bee. Once an African bee is found, it should be immediately replaced with a European bee.

Sting Avoidance, Treatment — One of the principal duties of a worker bee is to defend the colony at all costs even if it means it must die doing so.

Unfortunately, Africanized bees are hot heads that are easily provoked. Provocation is usually accidental. You may step on a flower where a bee is gathering pollen or unknowingly cause a sound or vibration around the nest that may sound threatening to the bees.

Africanized bees are not a marauding menace looking for people to hunt down. If you are in an area where there are usually a few bees or you do not provoke any when you may be near such bees, you should have nothing to worry about.

Some scientists contend that Afri-



Can you spot which of the two bees here is Africanized? If not, don't feel bad. Scientific tests are needed in order to tell the difference. The Africanized bee here is the one on the left.



Scientists are working with insect repellents containing Deet to stop Africanized bee attacks. Here, geneticist Anita Collins uses an insect repellent containing Deet to disperse some attacking bees.



Photos courtesy of ARS U.S.D.A. Information Staff

Africanized Bees



Near Ciudad Victoria, Mexico, a U.S.D.A. chemist and a Mexico Department of Agriculture technician gather bee scout traps so that entry routes of Africanized bees into the U.S. can be determined.



A marked drone bee that will be used in a test to determine the distance bees travel in mating flights.



A geneticist checks the forewings of bees from a suspected colony of Africanized bees using the FABIS or Fast African Bee Identification System.

canized bees are not the villains that they are made out to be and that they generally react only when their nests are threatened. However, the deaths caused by Africanized bee attacks cannot be overlooked.

Therefore, one of the best avoidance measures is to avoid those areas where Africanized bees may be. If for some reason you encounter angry Africanized bees or any angry bees — run! Standing around swatting them will only make them more angry which will cause them to release a pheromone that will send an airborne message that the other bees will smell and signal them to join the attack.

When bees sting they usually go for the eyes and the head. This is something that I personally found out while photographing European honey bees for this article. When stung, by any kind of bee, do not try to remove the stinger by hand. When a bee stings you its poison glands remain with the stinger and keep on pumping venom into your body so pulling it will only add more venom to your body. Therefore, it is better to scrape the stinger out using a knife.

The venom of a bee is a very complex mixture that causes the flesh to sting. All bee venom contains a histamine which causes an allergic reaction. Bee venom also contains a digestive enzyme that begins to break down our tissues. The human body can easily biodegrade bee venom so long as the quantities remain low. Of course, the elderly, children and people with allergies would be the most at risk when receiving multiple bee stings.

For those who experience extreme reactions to bee stings, they must carry with them a kit containing an antihistamine and some adrenaline loaded in a syringe.

If you get stung and suffer more than the common reaction of pain and swelling you should see a doctor who can sometimes build up your immunity to bee stings with a desensitizing program.

For the majority of us, an ice cube is a good remedy. It will desensitize the sting and, of course, there are creams and lotions available at any drug store that will do the same as an ice cube but usually at a higher cost. Personally, I found that after a few minutes the stings did not bother me any more. ●

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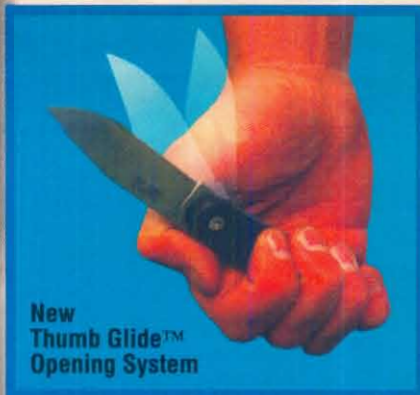
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Emergency/Rescue
Knives



When you're hard at work and need a sharp knife in a flash, the Ultralock is for you! You'll find that one-handed opening is easy with our new Thumb Glide™ system. Just hold the knife as shown here. Bring your thumb into contact with the ridges on the top of the blade-back, and exert quick, steady pressure, clockwise. (It's just like using a Bic® lighter).

ULTRALOCK!

This is the ultimate in liner-type lock technology. First we strengthened and thickened the liner to provide a tremendously secure lock-up. Then we encased the whole mechanism in incredibly tough Zytel® glass-filled nylon. And finally we added a patented cam adjustment, which allows every lock to be fitted perfectly to every blade. The Ultralock is the slickest pocket knife around when you're working "one-handed". And it's available in three great new styles, including our famous reinforced Tanto Point!

Light-weight yet heavy duty, every Ultralock is razor-sharp and has a convenient stainless steel clip for easy carry on a belt or in a pocket.



ER1

Emergency Rescue is a regular occurrence for Police, Fire and Paramedic personnel. And emergency situations on land and sea often require an extra sharp knife. The ER1 was designed with this in mind. Finally perfected after over two years of development, this is the most complex knife we have ever built. The internal construction is a technical masterpiece of strength through precision.

It features a patented sliding lock mechanism that offers an easily accessible blade in an extremely safe package. When closed, the razor-sharp blade is locked securely inside a tough polycarbonate housing. To open, simply slide the button forward until it snaps into place. Once in the open position the ER1 is very strong. It is laboratory certified to withstand at least 50lbs of point pressure without collapsing and yet the whole package weighs a feather-light 1.5 ounces! The blade is double hollow ground like a straight razor and has uniquely designed serrations for smooth, long-lasting cutting power. As an added safety feature the ER1 has a "sheepsfoot" point. This is particularly useful in accident situations for cutting away seat belts or heavy clothing. And the ER1 isn't just for emergency use! It's also ideal for anyone who has difficulty operating a traditional lockback, such as women with long nails or mechanics working in oily environments.



The ER1 is
available in
either black or
new international
safety orange.

#32NS (Black)
#32NSC (Orange)
Sugg. Ret \$29.95

COLD STEEL

Call Toll Free for a Color Catalog (Over 18 Only)

800/255-4922

800/624-2363 (In CA)

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